

Crowley Construction

GARY AND JAMES CROWLEY
ALL TYPES OF LAND CLEARING, EROSION CONTROL, DRILL SITE PREPARATION,
GEOPHICAL LINE CONSTRUCTION, RECLAMATION, ROAD BUILDING
EAST ROUTE, MONTICELLO, UTAH 84535
PHONE 801-587-2377 OR 801-587-2738 MOBILE 801-259-2099

July 13, 1992

To Whom it may Concern:

I give permission to Ampolex to gain access to the Long Draw Pond for the purpose of hauling water for the Cactus Park #1 Well (Section 24, T36S, R24E.).

Cost for the water is to be \$10.00/bobtail load or \$15.00/semi-load.

Attached is a legal description of the pond location, *SEE WL# 09-1761*

Sincerely

Gary Crowley
Gary Crowley

RECEIVED

JUL 17 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR

1225 17th Street, Suite 3000 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1599' FNL 1156' FEL SENE

At proposed prod. zone

1,996' FNL 1682' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

See Topo Map "A"

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1000' +

16. NO. OF ACRES IN LEASE

1600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

6030'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6050' GR.

22. APPROX. DATE WORK WILL START*

A.S.A.P.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36 K-55	1850'	To Surface
8 3/4"	5 1/2"	17 K-55	T.D.	T.O.C. above all pay zones

Be advised that Ampolex (Texas), Inc., is considered to be the operator of the proposed well and is responsible under the terms and conditions of the Lease for all operations conducted on leased lands.

Bond coverage for this well is provided by
Nationwide Surety #69HF3973.

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DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robert H. Greenleaf

TITLE

Senior Petroleum Engineer

APPROVED BY THE STATE

OF UTAH DIVISION OF
OIL, GAS, AND MINING

07/23/92

(This space for Federal or State office use)

PERMIT NO.

13-037-31686

APPROVAL DATE

DATE:

WELL SPACING:

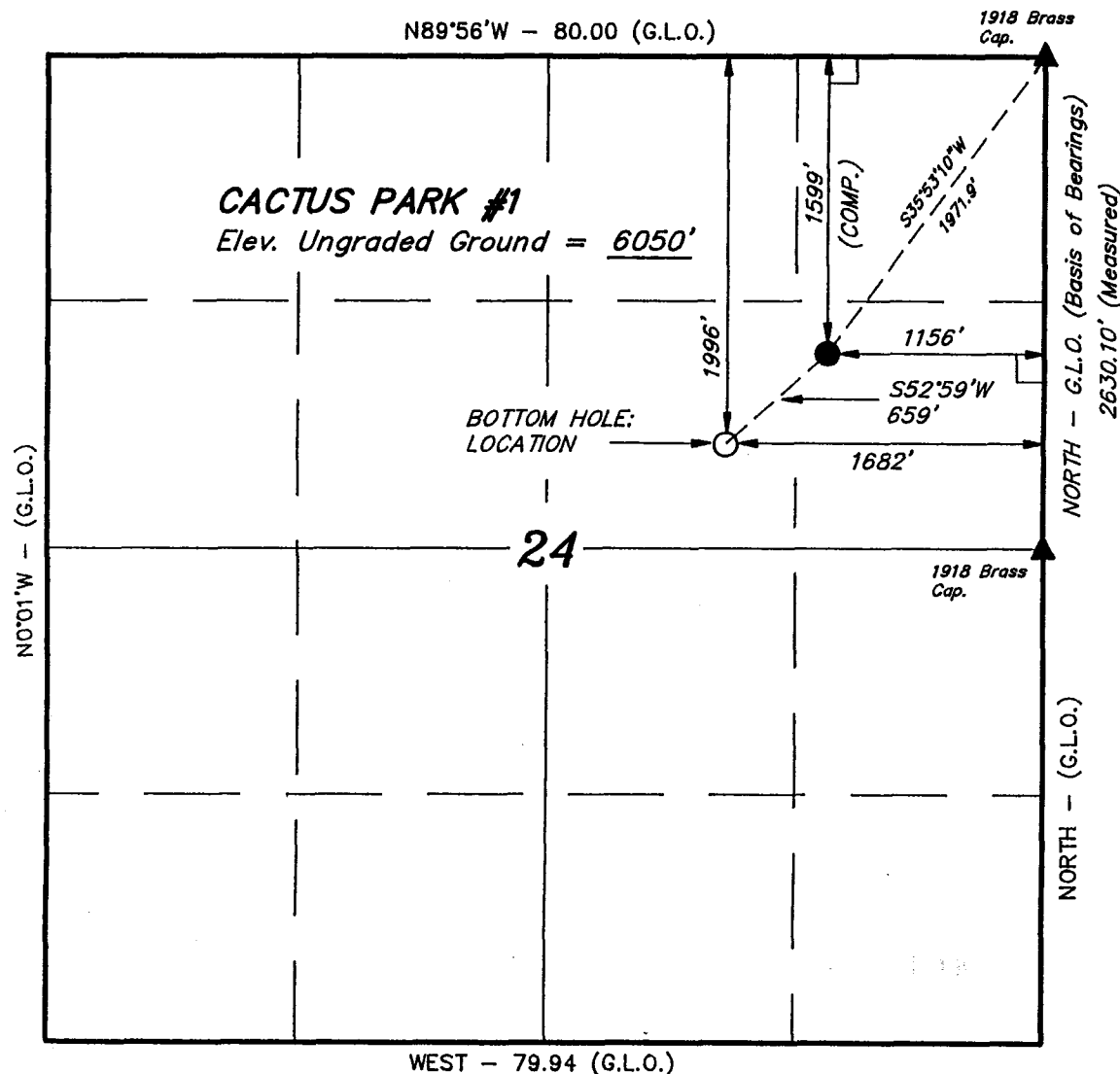
DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

T36S, R24E, S.L.B.&M.

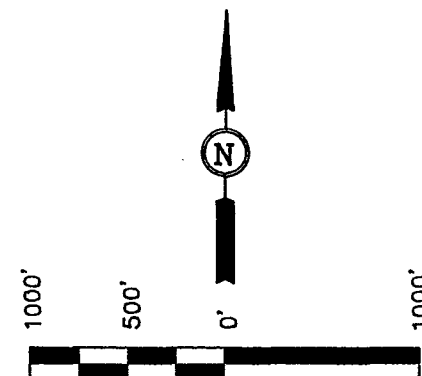


AMPOLEX (TEXAS) INC.

Well location CACTUS PARK #1, located as shown in the SE 1/4 NE 1/4 of Section 24, T36S, R24E, S.L.B.&M. San Juan County, Utah.

BASIS OF ELEVATION

PEARSON TRIANGULATION STATION 1954 LOCATED IN THE SW 1/4 OF SECTION 18, T36S, R25E, S.L.B.&M. TAKEN FROM THE HORSEHEAD POINT QUADRANGLE, UTAH, SAN JUAN COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6383 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 5709

ROBERT L. K...

REGISTERED LAND SURVEYOR

REGISTRATION NO. 5709

STATE OF UTAH

...

REVISED: 7-21-92 R.E.H.

REVISED: 7-13-92 R.E.H.

REVISED: 7-8-92 R.E.H.

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

STATE PLANE COORDINATES:

PROPOSED WELL HEAD:

X = 2,658,533 Y = 364,406

BOTTOM HOLE:

X = 2,658,017 Y = 363,996

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

SCALE	1" = 1000'	DATE SURVEYED:	6-2-92	DATE DRAWN:	6-18-92
PARTY	G.S. R.A. J.L.G.	REFERENCES	G.L.O. PLAT		
WEATHER	HOT	FILE	AMPOLEX (TEXAS) INC.		

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company: Ampolex (Texas), Inc.

Well No: Cactus Park #1

Location: Sec: 24 T. 36S R. 24E Lease No. U-68672

Onsite Inspection Date: July 10, 1992.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM:

1. Surface Formation and Estimated Formation Tops:

<u>FORMATION</u>	<u>TVD, KB</u>	<u>SUBSEA</u>	<u>TRUE VERTICAL THICKNESS</u>
Morrison	Surface		600'
Entrada SS	778'	+5,242'	150'
Carmel	928'	+5,092'	35'
Navajo SS/Kayenta & Wingate SS	963'	+5,057'	820'
Chinle	1,783'	+4,237'	690'
Shinarump Congl	2,473'	+3,547'	100'
Cutler (may include Moenkopi)	2,573'	+3,447'	1,185'
Upper Hermosa	4,468'	+1,552'	1,185'
Upper Ismay	5,653'	+ 367'	96'
Hovenweep Sh.	5,749'	+ 271'	65'
Lower Ismay	5,814'	+ 206'	18'
Anhydrite	5,832'	+ 188'	20'
Carbonate	5,852'	+ 168'	10'
Gothic Shale	5,862'	+ 158'	28'
Upper Desert Creek	5,890'	+ 130'	10'
Anhydrite	5,900'	+ 120'	20'
Carbonate	5,920'	+ 100'	10'
Lower Desert Creek	5,930'	+ 90'	10'
Anhydrite	5,940'	+ 80'	10'
Pay Zone	5,950'	+ 70'	20'
Base Pay	5,970'	+ 50'	10'
Chimney Rock Sh.	5,980'	+ 40'	20'
Akah	6,000'	+ 20'	30'
Total Depth	6,030'	- 10'	--

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Cactus Park #1
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2. Estimated Depth at which Oil, Gas, Water or other Mineral-Bearing Zones are expected to be encountered:

	<u>Formation</u>	<u>Depth</u>
Expected Oil & Gas Zones:	Upper Ismay	5,653'
	Lower Ismay	5,814'
	Lower Desert Creek	5,950'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

(A). After initial WOC time, a 9-5/8", 3,000# casing head will be installed. Minimum requirement for BOP equipment will consist of a 10", 3,000# double ram preventer with blind and pipe rams and one 10", 3,000# annular BOP.

(B). BOP rams and accessories including upper kellycock, floor safety valve and choke manifold will be pressure tested as per BLM approved NTL-6. Enter BOP tests in the Daily Tour Book. The pipe rams will be operationally checked each 24 hours. Blind rams will be operationally checked each time pipe is pulled out of the hole, but not more than once a day. Studs on all wellhead and BOP flanges should be checked for tightness each week. Hand wheels for locking screws shall be installed and operational and the entire BOP and wellhead assembly shall be kept clean of mud. A drill stem safety valve in the open position shall be available on the rig floor at all times.

(C). BOP equipment will be pressure tested again prior to drilling into the Lower Desert Creek Formation.

(D). Uncased hole is NOT to be pressured during BOP tests!

(E). Keep hole full at all times during tripping operations. If pipe or tools are to be left stationary at any time in open hole, the kelly is to be picked up, the pipe rotated and circulation maintained.

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4. Casing Program and Auxiliary Equipment:

Surface Pipe: 9-5/8", 36#, K-55, LT&C to be set in 12-1/4" hole at 1,850' (minimum of 50' into the Chinle). Guide shoe and insert float collar with fill up to be run on bottom joint with one (1) centralizer in the middle. Additional centralizers to be spaced out every fourth joint.

Cement: Hole volume plus 100% excess of Light Cement lead slurry with 2% CCL and 1/4 lb./sk Flocele and tail in with 250 sx Class "G" with 2% CCL and 1/4 lb./sk Flocele.

Production Casing:

5-1/2", 17#, K-55 set at TD in 7-7/8" hole. Guide shoe and differential fill float collar to be run on first joint. Centralizers and scratchers to be run across all potential zones of production.

Cement: Use sufficient volume of cement to bring TOC above all possible pay zones. Cementing program to be determined after logging.

Anticipated cement tops will be reported as to depth, not the expected number of sacks.

5. Mud Program and Circulating Medium:

Surface Hole: Drill with fresh water using gel and lime for

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viscosity and mica to
control seepage.

Main Hole: Drill out from surface
pipe using fresh water,
lime and flocculants. At
 $\pm 4,500'$, clean out mud
tanks and "mud-up" with a
gel mud 8.8 - 9.0 ppg,
30-35 sec/qt vis. and 10-
15 cc water loss.
Maintain mud properties
for DST at all times. At
 $\pm 5,920'$ raise mud wt. to
11.0 ppg by adding barite
before drilling into the
Lower Desert Creek Fm.
and maintain weight to
TD. A detailed mud
program will be furnished
by the mud supplier. All
recommendations made by
the mud engineer must be
followed.

Operations will be conducted in accordance with ONSHORE
OIL AND GAS ORDER NO. 2; DRILLING OPERATIONS, except
where advance approval for a variance has been obtained.

6. Coring, Logging, and Testing Program:

Core: One (1)-60' in the Lower Desert Creek

Drill Stem Tests: One (1) probable - Lower Desert Creek
One (1) possible - Upper & Lower Ismay

A test of the top of the porosity will be conducted under
the following circumstances:

1. Top of porosity should be indicated by a
drilling break. Drill 10' into the break or
until a definite decrease in drill rate is
observed, whichever is the lesser.
2. Circulate for samples and gas shows. If
cuttings show good visual porosity and are
accompanied by significant increases in gas

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notify Ampolex personnel of same and prepare
to DST.

Open Hole Logs: Dual Laterolog - TD to 4,400'.

Density-Neutron - TD to 4,400'.

Sonic - TD to base of surface casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4 will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1(b). Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

**NOTE: ABNORMAL PRESSURE IS EXPECTED TO BE
 ENCOUNTERED IN THE LOWER DESERT
 CREEK - 3,300 -3,400 psi.**

8. Anticipated Starting Dates and Notifications of Operations:

Required verbal notifications are summarized in Table I, attached. Written notification in the form of a Sundry Notice (Form 3160-5 will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with Minerals Management Service.

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IMMEDIATE REPORT: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference may be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed thirty (30) days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6(d) and Onshore Oil and Gas Order NO. 2.

The following minimum information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

Well name and number, location by 1/4 1/4 Section, Township and Range, Lease Number and Operator.

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B. THIRTEEN-POINT SURFACE USE PLAN:

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: See Topo Map "A".
- b. Proposed route to location: See Topo Map "A" and Topo Map "B".
- c. Plans for improvement and/or maintenance of existing roads: The existing roads that access this well will be brought to Resource (Class 111) Road Standards. Ditched, crowned, culverts in place where needed and surfaced with rock.
- d. An encroachment permit will be obtained from the San Juan County Road Department (801)587-2231, Ext. 43 for use of county roads.

2. Planned Access Roads:

Approximately 20 feet of new road, 5 feet of maximum disturbed width would be constructed.

The approximate 1.1 miles of new construction as shown on Topo Map "B" will also be built to Resource (Class 111) Road Standards as stated above.

There will be one cattleguard needed as shown on Topo Map "B".

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance of usage.

The topsoil from the access road will be reserved in place.

A Right-of-Way for the portion of road highlighted in pink on Topo Map "B" and approximately 5.8 miles in length will be needed. Application for said Right-of-Way is hereby made.

3. Location of Existing Wells: None in a 1-mile radius.

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4. All permanent above-ground facilities (in place six months or longer) will be painted a neutral, juniper green color as required by the Authorized Officer, except for those facilities or portions thereof required to comply with the Occupational Safety and Health Act or written company safety manual or documents. The paint on the surfaces of the facilities will be maintained as required by the Authorized Officer.

If a tank battery is constructed on this location it will be surrounded by a dike of sufficient capacity to contain 1.5 times the storage capacity of the largest tank + one days production entering the battery. All load lines and valves will be placed inside the dike surrounding the tank battery. The tank battery and berm, any pits, and any production facilities shall be fenced and the fence will be maintained. The gates shall be kept closed.

All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO. 3; SITE SECURITY will be adhered to.

Gas measurement will be conducted in accordance with the ONSHORE OIL AND GAS ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the well head to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.

Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4; OIL MEASUREMENT and 43 CFR 3162.7-2.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from four (4) privately owned sources. They are as follows:

- (1) Water well owned by Clyde Watkins, located South 2722' and East 10' from the NW corner, Sec. 1, T37S, R22E, S.L.B. & M.

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- (2) Water well owned by Grady Ragsdale, located in the NE1/4 NE1/4, Sec. 23, T40N, R19W, Delores County, Colorado.
- (3) Water Well owned by Richard Perkins, located North 2350' and West 444' from the SE corner, Sec. 12, T38S, R24E, S.L.B. & M.
- (4) Town of Dove Creek, Colorado.

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of that water.

6. Source of Construction Material:

Pad construction material will be obtained from on site and in place materials.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.

7. Methods of Handling Waste Disposal:

The reserve pit will be constructed with at least 1/2 of the capacity in cut material and will be lined with 24 tons of bentonite. The sides of the pit shall be sloped no greater than three to one. If bentonite is used as lining material it shall be worked into the soil.

The sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four (4) strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four (4) feet. The fence will be kept in good repair while the pit is drying.

No liquid hydrocarbons (i.e. fuels, lubricants, formation) will be discharged to the reserve pit, location, or on the access road. In the event of an accident and hydrocarbons are allowed to escape, all hydrocarbons will be cleaned up and removed within 48 hours.

No chrome compounds will be on location.

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Produced waste water will be confined to the reserve pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to NTL-2B.

Other:

Portable Chemical Toilet will be provided.
Garbage and trash will be disposed of in trash bin. The trash bin will be totally enclosed with small mesh wire to prevent wind scattering trash before being removed. Reserve pit will be fenced on three sides during drilling and the fourth side fenced upon removal of the rig.

After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All open pits will be fenced during drilling and kept closed until the pit is leveled.

8. Ancillary Facilities:

Camp facilities will not be required.

9. Well Site Layout:

The reserve pit will be located: See attached layout sheet.

10. Plans for Restoration of Surface:

- A. Within 24 hours of completion of drilling, the location and surrounding area will be cleared of everything not required for production.
- B. As soon as the reserve pit has dried all areas not needed for production (including the access road) will be filled in, contoured to approximately natural contours and as much top soil as was removed, (approximately 12") replaced, leaving sufficient for future restoration. This area will then be seeded. The remaining top soil will be stabilized and seeded in place. If the well is a dry hole, the location and access road will be rehabilitated in total.

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- C. The area will be seeded between October 1 and February 28 with:

- 2 lbs/acre - Indian Ricegrass
- 4 lbs/acre - Crested Wheatgrass
- 4 lbs/acre - Fourwing Saltbrush
- 2 lbs/acre - Desert Bitterbrush
- 1 lbs/acre - Yellow Sweetclover
- 1 lbs/acre - Wild Sunflower
- 2 lbs/acre - Russian Wildrye

The pounds of seed listed above is pure live seed.

- D. Seed will be broadcast followed by a light harrowing. If the seed is drilled, the seeding rate can be reduced by 25% and harrowing can be eliminated.

11. Surface and Mineral Ownership: B.L.M.

12. Other Information: Same on new construction as old.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 31262.6.

The dirt contractor will be provided with an approved copy of the surface use plan.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

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- whether the materials appear eligible for the National Register of Historic Places:
- The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a timeframe for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

This permit will be valid for one (1) year from the date of approval. After permit termination; a new application will be filed for approval for any future operations.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer.

13. Lessee's or Operator's Representative and Certification:

Representative:

Name:	Robert C. Arceneaux
Address:	1225 17th Street, Suite #3000 Denver, Colorado 80202
Telephone No.:	(303) 297-1000

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Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with operation proposed herein will be performed by: **Ampolex (Texas), Inc.**

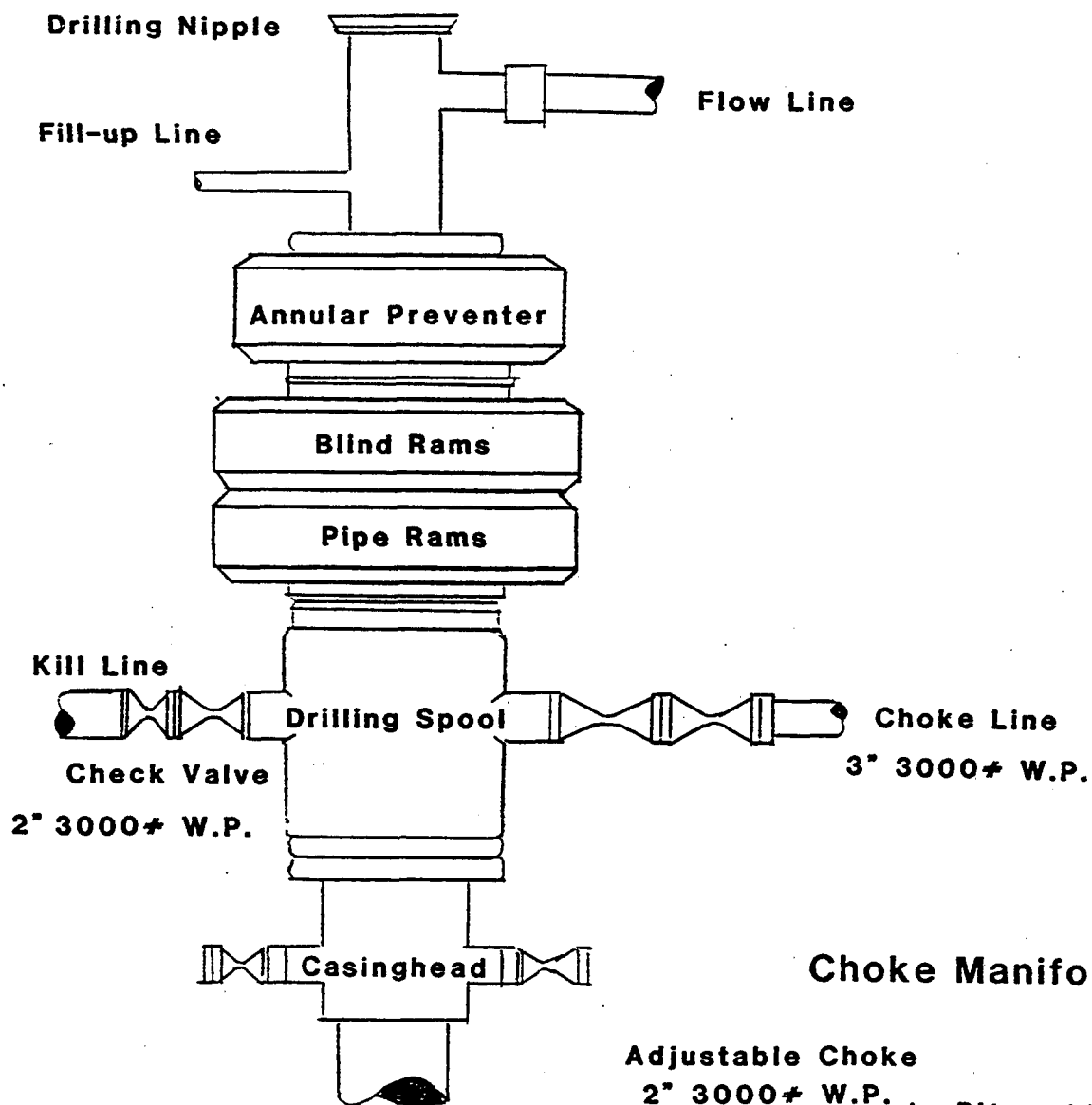
and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Name: *Robert C. Arceneaux*
Title: Robert C. Arceneaux
Senior Petroleum Engineer
Date: July 23, 1992

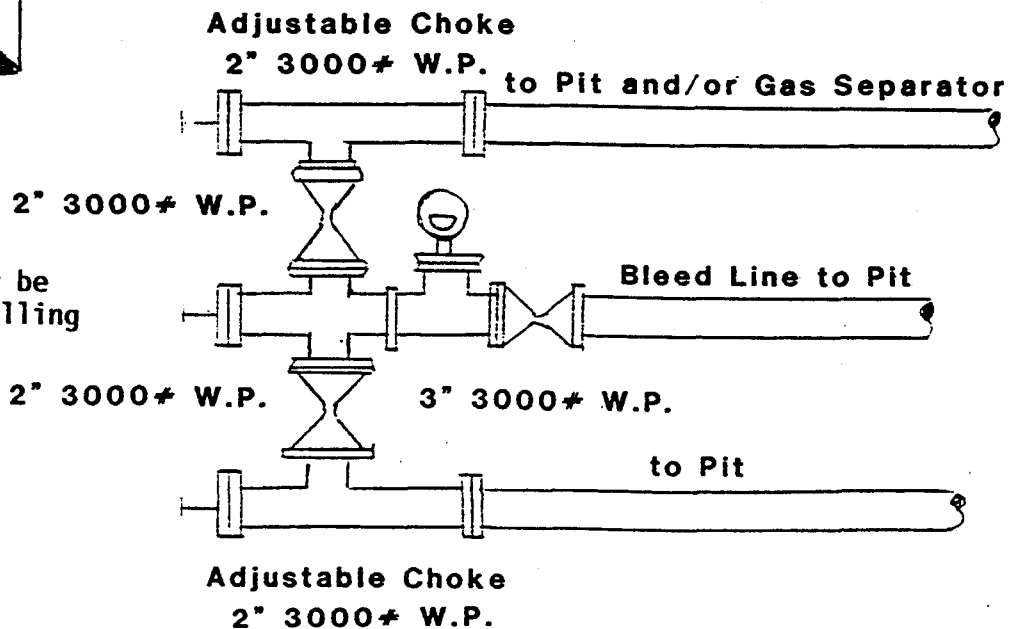
EXHIBIT C

Blow Out Preventer Equipment

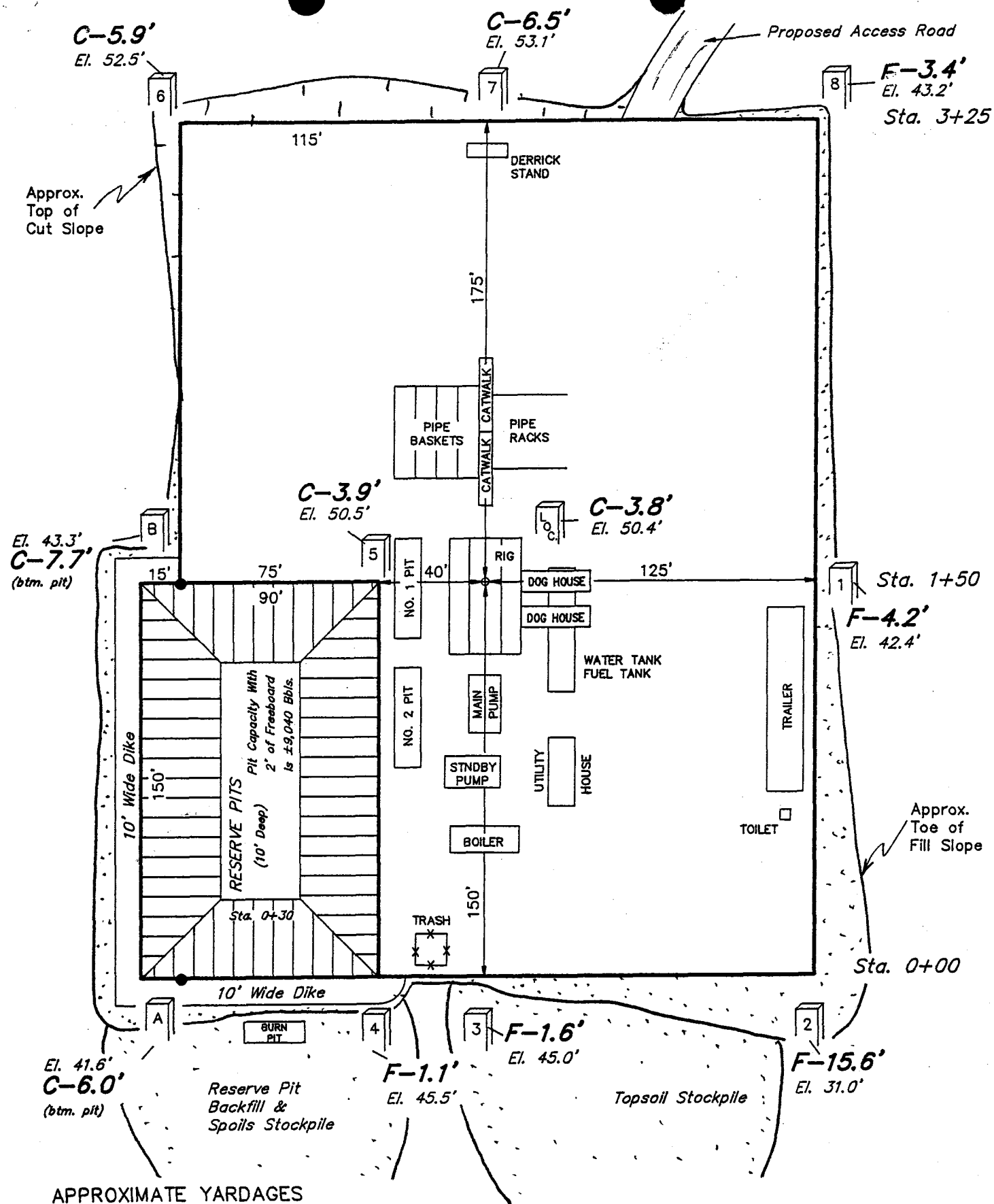
BOP Stack



Choke Manifold



NOTE: BOP side outlets may be used in place of drilling spool.



APPROXIMATE YARDAGES

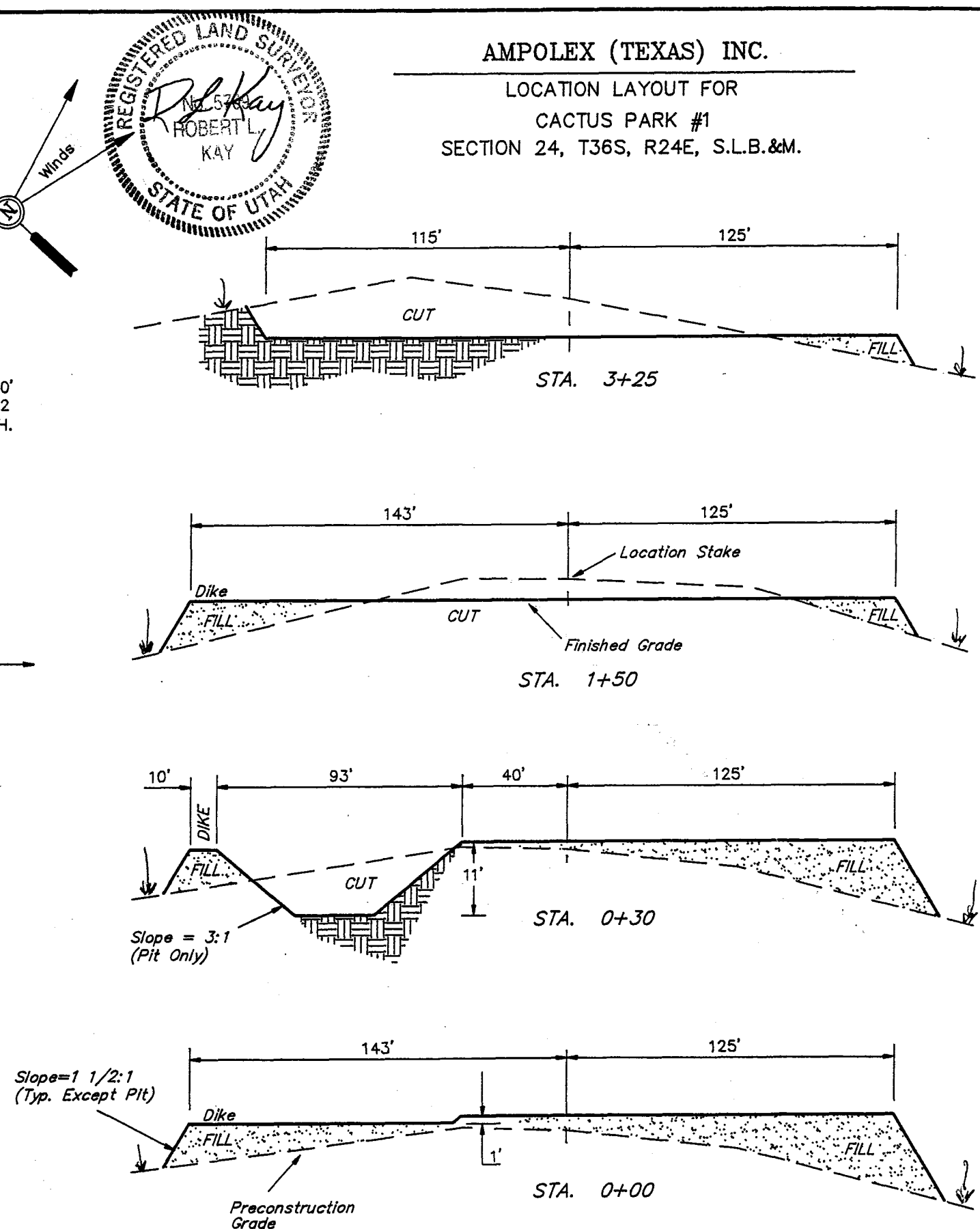
CUT	
(12") Topsoil Stripping	= 2,980 Cu. Yds.
Remaining Location	= 6,980 Cu. Yds.
TOTAL CUT	= 9,960 CU.YDS.
FILL	= 5,310 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,370 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,370 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

TYP. LOCATION LAYOUT TYP. CROSS SECTIONS

SCALE: 1" = 50'
DATE: 7-13-92
Drawn By: R.E.H.

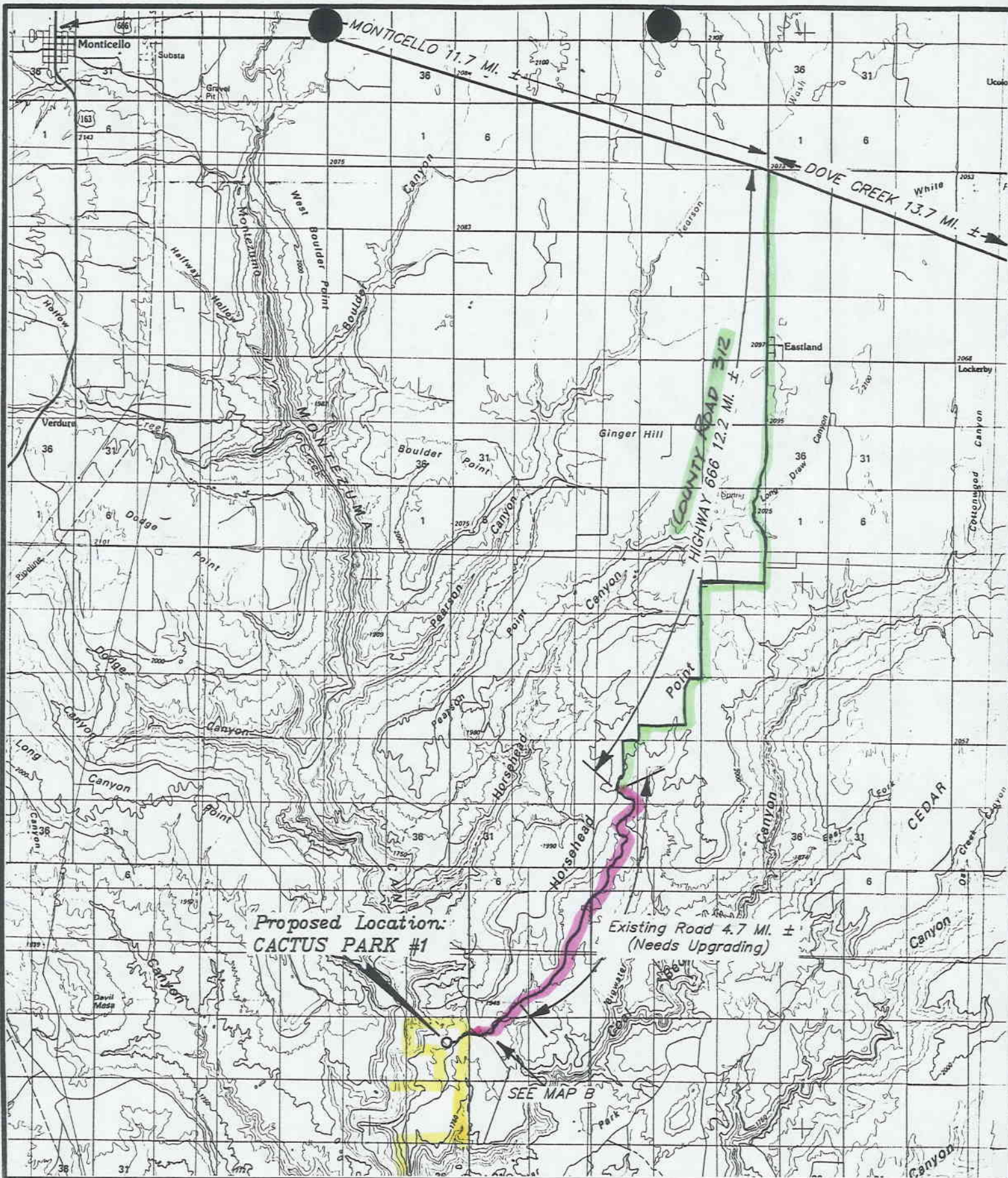
X-Section Scale
1" = 20'
1" = 50'



NOTES:

Elev. Ungraded Ground At Loc. Stake = **6050.4'**
FINISHED GRADE ELEV. AT LOC. STAKE = **6046.6'**

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah



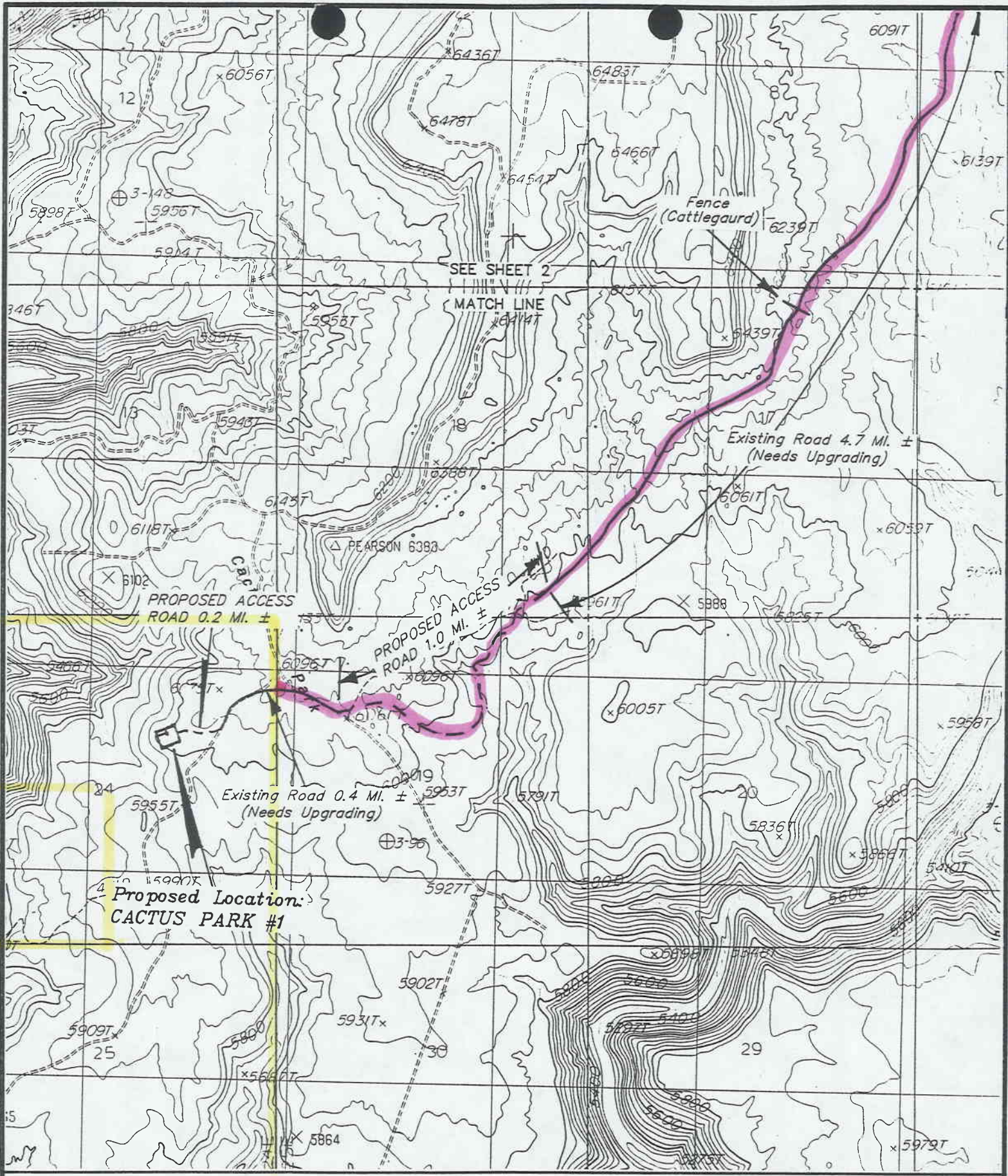
SHEET 1 OF 2
TOPOGRAPHIC
MAP "A"

DATE 7-13-92 J.L.G.



AMPOLEX (TEXAS) INC.

CACTUS PARK #1
SECTION 24, T36S, R24E, S.L.B.&M.



SHEET 1 OF 2

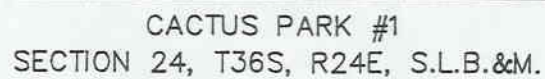
TOPOGRAPHIC
MAP "B"

DATE 7-13-92 J.L.G.



BLM Right of Way Needed
AMPOLEX (TEXAS) INC.

CACTUS PARK #1
SECTION 24, T36S, R24E, S.L.B.&M.
AMPOLEX LEASE LINES



APD WORKSHEET
Division of Oil, Gas and Mining

OPERATOR: AMPOLEX (TEXAS) INC
WELL NAME: CACTUS PARK 1

N-0385

APD RECEIVED: 07/27/92

API ASSIGNED: 43 - 037-31686

LEASE TYPE: FED LEASE NUMBER: J-68670
LOCATION: SENE 24 - T36S - R24E SAN JUAN COUNTY
FIELD: WILDCAT CODE: 001

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond
(Number Actual)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 09-1761)
☒ Sent to RDCC (Y/N)
(Date: 7-29-90)

SPACING:

☒ R649-2-3. Unit: Cactus Park
____ R649-3-2. 40 acre spacing.
____ R649-3-3. Exception.
____ Board Order.
____ Cause number: _____
____ Date: _____

COMMENTS:

No other producing wells within Sec 24.
✓ Obligation well for Cactus Park Unit

STIPULATIONS:

CONFIDENTIAL
PERIOD
EXPIRED
ON 11-29-93

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
As soon as approved
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition
☐ Land Sale ☐ Land Exchange ☐ Other
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. Ampolex (Texas), Inc. proposes to drill the Cactus Park #1 well (wildcat) on federal lease U-68672, San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county)
SE/4 NE/4, Section 24, Township 36 South, Range 24 East, San Juan County, Utah
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
See Attachment
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:
Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL:
DATE: 7/29/92
Petrolium Engineer

WOI187



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Timothy H. Provan

Division Director

Southeastern Region

455 West Railroad Avenue

Price, Utah 84501-2829

801-637-3310

August 3, 1992

Mr. Ed Scherick
Bureau of Land Management
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

Dear Ed:

We appreciate your response to our request for information on a number of APDs within your Resource Area. We have reviewed the proposed actions for the Quantum #1 well (EA# 069-92-044), the Scorpion #1 well (EA# 069-92-045), and the Cactus Park #1 well (EA# 069-92-046). We have the following comments regarding these proposed wells.

We have commented in two previous letters (July 23, 1992 and July 29, 1992) on impacts to wildlife associated with energy exploration activities in the Montezuma Creek drainage. These three wells will have similar impacts as those we outlined in the above mentioned letters. We recommend that the guidelines and measures that we outlined in the earlier responses be applied to the three newly proposed well sites.

Once again, we emphasize the need for measures which mitigate the cumulative impacts of the intensive activity that is currently taking place in this area of critical wildlife habitat. Preservation of the unique wildlife values found in the Montezuma Creek vicinity will enhance the worth of these public lands.

We appreciate the cooperation and information received concerning proposed actions in your Resource Area. If you have any questions regarding our comments on these or any other actions, please contact Ken Phippen, Regional Habitat Manager.

Sincerely,

Miles Moretti
Regional Supervisor

SR/lcl

Copy: Ralph Miles, DWR
Roger Zortman, BLM

RDCC Agenda
August 11, 1992
2

FYI

③-FRM

③-TAS

③-LWP

DTS(8-10-92)

5. UT910503-060

USDA/Forest Service: Fishlake National Forest - Deep Creek and Snow Bench Timber Sale - Final Environmental Impact Statement. This is not the complete document; if additional information is needed, please contact OPB. Comments due 8-25-92.

6. UT920731-120

Copy Lowell

DOI/BLM/Office of Surface Mining Reclamation & Enforcement/Iron & Kane Counties: Intent to Prepare an EIS on the Proposed Warm Springs Project (Andalex), Including the Proposed Smoky Hollow Underground Coal Mine and its facilities. Comments due 9-7-92.

7. UT920803-040

USDA/Forest Service: Uinta National Forest - Visitor Facilities Water Project, Cascade Springs. Comments due 8-24-92.

8. UT920803-050

USDA/Forest Service: Ashley National Forest - Bear Wallow Area - Environmental analysis. Comments due 8-14-92.

9. UT920803-060

USDA/Forest Service: Land Exchange Robert Redford and U.S. Forest Service Diamond Fork - Provo Canyon Areas. Comments due 8-24-92

III. SHORT TURNAROUND

***Please Note! Due to the short turnaround please comment directly to the Agency with a copy to OPB.**

10. UT920803-010

Airpo/xx

Division of Oil, Gas & Mining/San Juan County: Application for Permit to Drill - Proposal to drill a wildcat well, the Quantum No. 1 well, on federal lease U-62681 (Sec. 20, T36S, R24E). Comments due 8-18-92.

OVER

Don FMI

11. UT920803-020

Ampo/xx

Division of Oil, Gas & Mining/San Juan County: Application for Permit to Drill - Proposal to drill a wildcat well, the Scorpion No. 1 well, on federal lease U-68673 (Sec. 34, T36S, R24E). Comments due 8-18-92.

12. UT920803-030

Ampo/xx

Division of Oil, Gas & Mining/San Juan County: Application for Permit to Drill - Proposal to drill a wildcat well, the Cactus Park No. 1 well, on federal lease U-68672 (Sec. 24, T36S, R24E). Comments due 8-18-92. **43-037-31686**

13. UT920803-070

Ampo/xx

Division of Oil, Gas & Mining/San Juan County: Application for Permit to Drill - Proposal to drill a wildcat well, Lower Squaw Point No. 1 well, on federal lease U-57609 (Sec. 17, T37S, R26E). Comments due 8-18-92.

IV. STREAM ALTERATIONS

***Please Note! Due to the short turnaround please comment directly to the Agency with a copy to OPB.**

14. UT920727-060

Copy cover letter for hydro FMI.

Division of Water Rights/Emery County: Huntington Creek (No. 92-93-06SA) - Permit application to alter a natural stream channel (Sec. 15, T17S, R8E). Comments due 8-17-92.

15. UT920727-050

Division of Water Rights/Kane County: Stout Creek (No. 92-81-04SA) - Permit application to alter a natural stream channel. (Sec. 36, T39S, R7W). Comments due 8-17-92.

16. UT920727-040

Division of Water Rights/Emery County: Huntington Creek (No. 92-93-07SA) - Permit application to alter a natural stream channel (Sec. 9, T17S, R8E). Comments due 8-17-92.

OVER



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Norman H. Bangert
Governor
Dee C. Hansen
Executive Director
Timothy H. Provan
Division Director

1596 West North Temple
Salt Lake City, Utah 84116-3195
801-538-4700
801-538-4441 (Fax)

RECEIVED

SEP 11 1992

DIVISION OF
OIL GAS & MINING

August 12, 1992

Dr. Dianne Nielson
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Sec 04. T 36S. R. 04E
San Juan
43-037-31684

Dear Dianne:

We are writing in response to four applications for permits to drill (APDs) in the Montezuma Creek area of San Juan County. These wells include the Quantum No. 1 well (U-62681), the Scorpion No. 1 well (U-68673), the Cactus Park No. 1 well (U-68672), and the Lower Squaw Point No. 1 well (U-57609). We have the following comments regarding these applications.

As part of the NEPA process initiated by the Bureau of Land Management (BLM), the Division of Wildlife Resources has reviewed these proposed wildcat wells for potential impacts on wildlife populations and habitat. Enclosed are three letters to the BLM which outline the potential impacts of oil and gas exploratory activities in this area, as well as recommended measures to help mitigate these impacts. We are particularly concerned with the significant increase of exploratory activity in the Montezuma Creek drainage and the accompanying cumulative impacts. The Montezuma Creek area provides critical habitat for a number of species, including several threatened and endangered species. Should these APD's be approved, we strongly recommend the survey and monitoring measures outlined in the enclosed letters be included as stipulations (due to the lack of information on the status and distribution of these species).

We appreciate the opportunity to provide input on these proposed actions. If you have any questions regarding our comments, please contact Ken Phippen, Regional Habitat Manager (637-3310).

Sincerely,

Timothy H. Provan
Director

Acting Director

Enclosures

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENT

WILLIAM D. HOWELL
Executive Director

P. O. Drawer
1106

• Price, Utah 84501 • Telephone 637-5444

AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01 07

NOI___ Preapp___ App___ State Plan___ State Action X Subdivision___ (ASP # 8-83-5, 6, 7, 8)

Other (indicate) _____ SAI Number UT920803-010, 020, 030
070

Applicant (Address, Phone Number):

Oil, Gas and Mining
355 West North Temple
3 Triad Center Ste 350
Salt Lake City, UT 84180-1203

Federal Funds:

Requested: _____

Title:

APPLICATION FOR PERMIT TO DRILL

RECEIVED

SEP 02 1992

DIVISION OF
OIL GAS & MINING

- ☒ No comment
☐ See comments below
☐ No action taken because of insufficient information
☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:

Marilyn Van Wagoner
Authorizing Official

8-31-92

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR

1225 17th Street, Suite 3000 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1599' FNL 1156' FEL

At proposed prod. zone

1,996' FNL 1682' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

See Topo Map "A"

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1000' +

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

16. NO. OF ACRES IN LEASE

1600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

19. PROPOSED DEPTH

6030'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6050' GR.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 24, T36S, R24E

5. LEASE DESIGNATION AND SERIAL N.

U-68672

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Cactus Park

8. FARM OR LEASE NAME

Cactus Park

9. WELL NO.

1

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Sec. 24, T36S, R24E

12. COUNTY OR PARISH

PROPOSED WELL HEAD:
X = 2,658,533 Y = 364,406

BOTTOM HOLE:
X = 2,658,017 Y = 363,996

Ampolex (Texas), Inc.
Well No. Cactus Park 1
SWNE Sec. 24, T.36S., R.24E.
San Juan County, Utah
Lease U-68672
Cactus Park Unit

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Ampolex (Texas), Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CO 0701 (Principal - Ampolex (Texas), Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. Daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.
2. The 3000 psi (3M) BOP system will be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.
3. A directional survey shall be run to determine the exact bottom hole location. A copy of this survey shall be submitted to the BLM with the completion report.
4. Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.
5. Cement volumes were not included in the APD. The volume of cement to be used in setting the production casing shall be submitted to the BLM prior to running pipe. We must verify that the volume of cement is adequate to isolate all fluid bearing zones penetrated.

B. SURFACE USE PLAN

1. The location will be rehabilitated as per the conditions of approval in the APD.
2. If construction is delayed until February 1, 1993, the wildlife biologist will be notified and a survey would be done to ensure raptor safety during the critical nesting season. All raptor nests will be avoided by one-half mile from construction activities.

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 24 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- A first production conference will be scheduled as soon as production testing begins and hydrocarbons reach the surface. This conference should be coordinated through the Resource Area Office.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Assistant District Manager for off-lease measurement, off-lease storage of commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

NOTIFICATIONS

Notify Jeff Brown or Robert Larsen of the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching surface casing setting depth;

3 hours prior to testing BOPE;

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Dale Manchester, Petroleum Engineer	Office: (801) 259-6111
	Home: (801) 259-6239

Eric Jones, Petroleum Engineer	Office: (801) 259-6111
	Home: (801) 259-2214

If unable to reach the above individuals, please call the following:

Lynn Jackson,	Office: (801) 259-6111
Chief, Branch of Fluid Minerals	Home: (801) 259-7990



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

September 11, 1992

Ampolex (Texas), Inc.
1225 17th Street, Suite 3000
Denver, Colorado 80202

Gentlemen:

Re: Cactus Park 1 Well, 1599 feet from the north line, 1156 feet from the east line,
SW 1/4 NE 1/4, Section 24, Township 36 South, Range 24 East, San Juan County,
Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2
Ampolex (Texas), Inc.
Cactus Park 1 Well
September 11, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31686.

Sincerely,



R.G. Firth
Associate Director, Oil and Gas

Idc
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WO11

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: AMPLOEX 43-037-31686

WELL NAME: CACTUS PARK # 1

Section 24 Township 36S Range 24E County SAN JUAN

Drilling Contractor ARAPAHOE

Rig # 4

SPUDDED: Date 9/30/92

Time 12:00 MID NITE

How ROTARY

Drilling will commence

Reported by KEN WEST

Telephone #

Date 10/1/92 SIGNED TAS



AMPOL EXPLORATION (U.S.A.) INC.

SEVENTEENTH STREET PLAZA, SUITE 3000
1225 17TH STREET
DENVER, CO 80202 U.S.A.

Phone: (303) 297-1000

Telecopy: (303) 297-2050

Subsidiaries:

Ampolex (California), Inc.
Ampolex (Orient), Inc.
Ampolex (Texas), Inc.
Ampolex (Wyoming), Inc.

October 5, 1992

State of Utah
Division of Oil and Gas
355 W. North Temple
Salt Lake City, Utah 84180

RECEIVED

OCT 08 1992

DIVISION OF
OIL GAS & MINING

Re: Ampolex Cactus Park #1
Section 24, T36S, R24E
San Juan County, Utah

43-037-31686

Dear Sir:

Ampolex requests that all data, material, and information related to this well be kept confidential beginning on the date of receipt of this request. It is our understanding that this period is one year from the date of completion of the well. Ampolex and its contractors will label all material as "CONFIDENTIAL" or "TIGHT HOLE".

Thank you for your attention in this matter.

Sincerely,

RAR
Exploration Manager

AMPOLEX INCORPORATED
SEC. 34-36S-24E

CACTUS PARK NO. 1
slot #3
SAN JUAN COUNTY
SAN JUAN COUNTY, UTAH

SURVEY LISTING

Your ref : CACTUS PARK #1
Our ref : svy2605
Other ref :

Date printed : 19-Nov-92
Date created : 13-Oct-92
Last revised : 13-Nov-92

Field is centred on n37 40 0.000,w109 15 0
Structure is centred on n37 40 0.000,w109 15 0

AMPOLEX INCORPORATED
SEC. 34-36S-24E, CACTUS PARK NO. 1
SAN JUAN COUNTY, SAN JUAN COUNTY, UTAH

SURVEY LISTING Page 1
Your ref : CACTUS PARK #1
Last revised : 13-Nov-92

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
1960.00	1.80	279.00	1959.68	4.82 N	30.41 W	0.09	21.34
2426.00	0.20	355.60	2425.60	6.77 N	37.70 W	0.38	25.98
2982.00	0.60	352.80	2981.58	10.63 N	38.14 W	0.07	24.00
3451.00	1.20	344.40	3450.52	17.79 N	39.76 W	0.13	20.97
3615.00	1.00	4.00	3614.49	20.88 N	40.13 W	0.26	19.40
3647.00	0.40	354.20	3646.49	21.26 N	40.12 W	1.90	19.16
3679.00	0.80	244.50	3678.49	21.28 N	40.33 W	3.15	19.32
3710.00	1.00	218.50	3709.49	20.98 N	40.70 W	1.45	19.80
3742.00	1.40	222.70	3741.48	20.47 N	41.13 W	1.28	20.45
3774.00	2.30	205.80	3773.46	19.60 N	41.68 W	3.26	21.41
3805.00	3.50	205.10	3804.42	18.19 N	42.35 W	3.87	22.80
3837.00	4.50	203.00	3836.34	16.15 N	43.26 W	3.16	24.75
3868.00	5.70	204.40	3867.22	13.62 N	44.37 W	3.89	27.16
3899.00	5.70	208.70	3898.07	10.87 N	45.74 W	1.38	29.92
3930.00	5.50	209.40	3928.92	8.23 N	47.21 W	0.68	32.68
3961.00	5.70	213.60	3959.77	5.65 N	48.79 W	1.47	35.50
3992.00	6.10	216.40	3990.61	3.04 N	50.62 W	1.59	38.53
4024.00	6.60	215.70	4022.41	0.18 N	52.70 W	1.58	41.92
4055.00	7.00	217.10	4053.19	2.77 S	54.88 W	1.40	45.44
4086.00	7.20	219.90	4083.96	5.77 S	57.27 W	1.29	49.15
4118.00	7.40	220.70	4115.70	8.87 S	59.90 W	0.70	53.12
4149.00	7.60	226.20	4146.43	11.80 S	62.68 W	2.40	57.10
4180.00	7.40	228.30	4177.17	14.55 S	65.65 W	1.09	61.13
4208.00	7.60	229.00	4204.93	16.96 S	68.39 W	0.78	64.78
4238.00	7.80	230.40	4234.66	19.56 S	71.46 W	0.91	68.79
4270.00	8.40	231.90	4266.34	22.39 S	74.97 W	1.99	73.30
4300.00	8.80	231.90	4296.00	25.16 S	78.50 W	1.33	77.78
4332.00	9.20	231.90	4327.60	28.24 S	82.44 W	1.25	82.78
4363.00	10.00	231.20	4358.17	31.46 S	86.49 W	2.61	87.95
4394.00	10.90	231.20	4388.66	34.98 S	90.87 W	2.90	93.57
4425.00	11.90	230.40	4419.04	38.86 S	95.62 W	3.26	99.70
4456.00	12.70	230.40	4449.33	43.07 S	100.71 W	2.58	106.29
4488.00	13.50	229.70	4480.50	47.72 S	106.27 W	2.55	113.54
4518.00	14.10	231.20	4509.63	52.28 S	111.78 W	2.33	120.69
4550.00	14.60	230.40	4540.64	57.29 S	117.93 W	1.68	128.61
4581.00	15.20	231.20	4570.59	62.33 S	124.11 W	2.05	136.58
4613.00	15.80	231.20	4601.43	67.69 S	130.77 W	1.87	145.13
4644.00	15.60	231.20	4631.27	72.94 S	137.31 W	0.64	153.51
4676.00	17.20	230.40	4661.97	78.66 S	144.31 W	5.05	162.54
4707.00	17.20	230.40	4691.58	84.50 S	151.37 W	0.00	171.70
4737.00	16.80	229.70	4720.27	90.13 S	158.10 W	1.50	180.46
4764.00	16.20	229.70	4746.16	95.09 S	163.94 W	2.22	188.11
4797.00	16.00	230.40	4777.86	100.97 S	170.96 W	0.84	197.25
4828.00	15.60	231.20	4807.69	106.30 S	177.50 W	1.47	205.69
4860.00	15.20	230.40	4838.54	111.67 S	184.09 W	1.42	214.18
4891.00	15.00	229.70	4868.48	116.86 S	190.28 W	0.87	222.25
4919.00	15.20	229.70	4895.51	121.58 S	195.84 W	0.71	229.53
4951.00	14.80	229.70	4926.42	126.93 S	202.16 W	1.25	237.80
4983.00	14.50	229.70	4957.38	132.17 S	208.33 W	0.94	245.88

All data is in feet unless otherwise stated
Coordinates are from slot #3 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 232.89 degrees.
Calculation uses the minimum curvature method.

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
5014.00	14.10	229.00	4987.42	137.16 S	214.14 W	1.40	253.52
5046.00	14.50	229.70	5018.42	142.30 S	220.14 W	1.36	261.41
5077.00	16.40	230.40	5048.30	147.60 S	226.47 W	6.16	269.66
5113.00	18.00	232.60	5082.69	154.22 S	234.80 W	4.80	280.30
5144.00	18.40	233.30	5112.14	160.06 S	242.53 W	1.47	289.98
5174.00	18.40	232.60	5140.61	165.76 S	250.09 W	0.74	299.45
5204.00	18.00	231.20	5169.11	171.54 S	257.46 W	1.98	308.82
5232.00	18.00	230.40	5195.74	177.01 S	264.17 W	0.88	317.46
5264.00	18.40	228.30	5226.14	183.52 S	271.75 W	2.40	327.44
5296.00	18.90	229.70	5256.46	190.23 S	279.47 W	2.10	337.65
5323.00	19.50	229.00	5281.95	196.02 S	286.21 W	2.38	346.51
5353.00	20.90	228.30	5310.11	202.86 S	293.98 W	4.74	356.84
5385.00	22.10	229.70	5339.88	210.55 S	302.84 W	4.08	368.54
5416.00	21.70	231.20	5368.64	217.92 S	311.75 W	2.22	380.09
5447.00	21.50	230.40	5397.47	225.13 S	320.59 W	1.15	391.50
5478.00	21.70	231.20	5426.29	232.34 S	329.44 W	1.15	402.90
5510.00	23.20	231.20	5455.86	240.00 S	338.96 W	4.69	415.11
5541.00	25.00	231.90	5484.16	247.87 S	348.87 W	5.88	427.77
5572.00	26.60	231.90	5512.07	256.19 S	359.49 W	5.16	441.26
5628.00	27.30	231.20	5561.99	271.97 S	379.37 W	1.37	466.63
5692.00	27.90	231.20	5618.70	290.55 S	402.47 W	0.94	496.27
5785.00	28.10	231.20	5700.82	317.91 S	436.50 W	0.22	539.91
5878.00	29.30	229.70	5782.39	346.36 S	470.93 W	1.50	584.53
5972.00	29.30	231.20	5864.37	375.64 S	506.40 W	0.78	630.48
6067.00	29.50	233.30	5947.14	404.19 S	543.27 W	1.10	677.11
6095.00	29.50	233.30	5971.51	412.43 S	554.32 W	0.00	690.90

All data is in feet unless otherwise stated.
Coordinates are from slot #3 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 232.89 degrees.
Calculation uses the minimum curvature method.

AMPOLEX INCORPORATED
SEC. 34-36S-24E, CACTUS PARK NO. 1
SAN JUAN COUNTY, SAN JUAN COUNTY, UTAH

SURVEY LISTING Page 3
Your ref : CACTUS PARK #1
Last revised : 13-Nov-92

Targets associated with this wellpath			
Target name	Position	T.V.D. Local rectangular coords. Date revised	
	not specified	5950.00	398.00S 526.00W 24-Jul-92

All data is in feet unless otherwise stated
Coordinates are from slot #3 and TVDs are from wellhead.
Slot coordinates are 0.00 N 0.00 E.
Bottom hole distance is 690.92 on azimuth 233.35 degrees from wellhead.
Vertical section is from wellhead on azimuth 232.89 degrees.
Calculation uses the minimum curvature method.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-68672
2. Name of Operator Ampolex (Texas), Inc.	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. 1225 17th Street, Suite #3000, Denver, Colorado 80202 (303) 297-1000	7. If Unit or CA, Agreement Designation Cactus Park
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1,599' FNL & 2,256' FEL SE NE Section 24-T36S-R24E	8. Well Name and No. Cactus Park No. 1
	9. API Well No. 13-037-31686
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-5/8", 36# casing is J-55 instead of K-55.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10/15/92
BY: J. Matthews

RECEIVED

OCT 15 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Robert C. Aronson Title Senior Petroleum Engineer Date 10/13/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

AMPOLEX INCORPORATED

Structure : SEC. 34-36S-24E

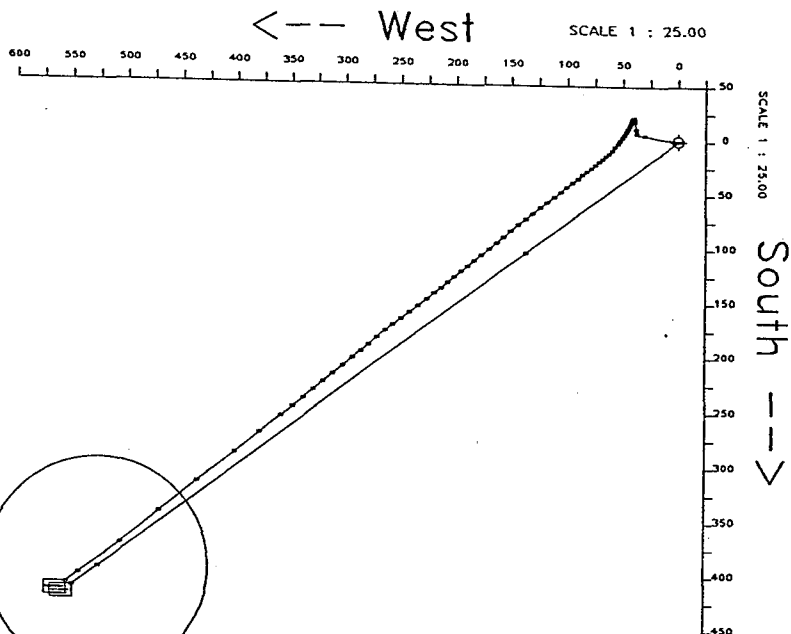
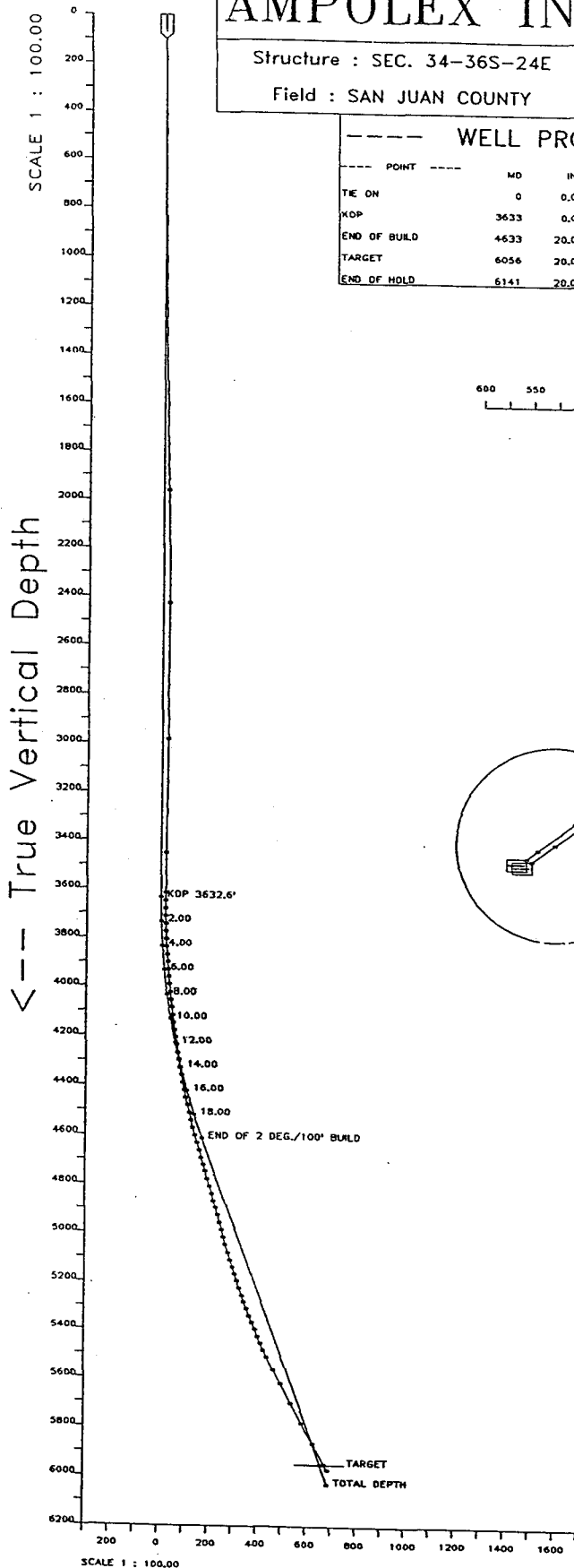
Well : CACTUS PARK NO. 1

Field : SAN JUAN COUNTY

Location : SAN JUAN COUNTY, UTAH

WELL PROFILE DATA

POINT	MD	INC	DIR	TVD	NORTH	EAST
TIE ON	0	0.00	232.89	0	0	0
KOP	3633	0.00	232.89	3633	0	0
END OF BUILD	4633	20.00	232.89	4612	-104	-138
TARGET	6056	20.00	232.89	5950	-398	-526
END OF HOLD	6141	20.00	232.89	6030	-416	-549



**EASTMAN
TELECO**

DRAWN BY: ALEX MEMB
DATE: 11-19-92
TVD REFERENCE RKB.
DENVER, COLORADO
PHONE: (303) 840-0509



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 15, 1992

Carolyn Small
Ampolex (Texas) Inc.
1225 17th Street, Suite 3000
Denver, Colorado 80202

Dear Ms. Small:

Re: Request for Completed Entity Action Form - Cactus Park 1
SENE Sec. 24, T. 36S, R. 24E - San Juan County, Utah

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the Cactus Park 1, API Number 43-037-31686, on September 30, 1992. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by October 26, 1992.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call Lisha Romero at the above number.

Sincerely,

Don Staley
Administrative Supervisor

Enclosure
cc: R. J. Firth
File

R*ESERVOIR*

I*NTERPRETATION*

S*ERVICES*

C*ORPORATION*

Prepared for :

**Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah**

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Core Retrieval : The core was caught, laid down, marked and preserved on October 25, 1992 by a R.I.S.C. representative. The core was transported to Denver by truck on the evening/morning of October 26/27, 1992.

Core Preservation : Sealed in plastic zip-lock bags on location.

Fluid Saturations : Performed in controlled-temperature retort oven.

Sample Preparation : One-inch diameter plug samples were drilled using an automated hydraulic drill press.

Sample Cleaning : Plug samples were cleaned in a CO₂ - saturated toluene core cleaner for 4 hours at 200 degrees Fahrenheit.

Sample Drying : Plug samples were dried in a convection oven for five hours at 240 degrees Fahrenheit.

Permeability Determination : Permeability to nitrogen determined at a confining pressure of 400 psi in a steady - state permeameter manufactured by Frank Jones & Associates, Inc., Tulsa, Oklahoma.

Porosity Determination : Helium porosity was determined in a Coberly - Stevens Boyle's law porosimeter manufactured by Frank Jones & Associates, Inc., Tulsa, Oklahoma.

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Reference Number	Depth (ft)	K _{air} (md)	K _{link} (md)	Helium Porosity (%)	Saturations Water (%)	Oil (%)	Grain Density (g/cc)	Sample Description
Core No. 1 Desert Creek 6095'-6155' Recovered 59.9'/60.0'								
A	6114.6	0.091	0.051	12.3	61.6	0.0	2.77	Dol dk brn
B	6115.5	0.126	0.074	14.3	48.6	0.0	2.76	Dol dk gry brn sh lam
1	6116.1	0.016	0.006	3.2	40.5	0.0	2.76	Dol dk brn calc sh lam
2	6117.4	0.037	0.017	2.8	40.4	0.0	2.72	Ls gry brn pp vug
3	6118.5	0.830	0.628	7.5	42.4	1.5	2.70	Ls dk brn vug foss
4	6119.5	0.154	0.094	6.1	26.9	3.9	2.73	Ls dk brn pp vug foss
5	6120.1	0.899	0.686	5.2	52.2	0.0	2.74	Ls dk brn pp vug foss
6	6121.6	0.247	0.159	6.5	31.5	0.0	2.70	Ls dk brn pp vug foss
7	6122.6	0.319	0.214	7.3	19.7	4.0	2.72	Ls dk brn pp vug foss
8	6123.4	0.812	0.613	9.5	21.8	2.1	2.70	Ls dk brn pp vug foss
9	6124.4	0.526	0.378	8.7	15.9	3.2	2.71	Ls dk brn pp vug
10	6125.7	0.508	0.364	6.0	26.4	2.8	2.73	Ls dk brn pp vug
11	6126.6	1.44	1.15	5.5	18.8	2.4	2.72	Ls dk brn pp vug frac
12	6127.4	0.657	0.484	7.5	32.7	3.0	2.69	Ls dk brn pp vug
13	6128.9	5.28	4.09	7.9	29.3	1.9	2.71	Ls dk brn pp vug frac
14	6129.5	0.286	0.188	6.1	23.4	2.7	2.70	Ls dk brn pp vug
15	6130.8	0.699	0.519	6.9	22.5	2.8	2.70	Ls dk brn pp vug
16	6131.8	0.240	0.155	4.8	23.5	2.0	2.74	Ls dk brn pp vug
17	6132.7	0.663	0.490	4.8	34.4	3.3	2.74	Ls dk brn pp vug
18	6133.4	0.321	0.215	6.2	24.1	0.0	2.70	Ls dk brn pp vug
19	6134.3	0.309	0.206	6.2	30.2	3.5	2.69	Ls dk brn vug
20	6135.4	0.969	0.746	6.7	31.5	3.7	2.68	Ls dk brn vug
21	6136.6	0.206	0.130	5.4	39.7	3.2	2.72	Ls dk brn
22	6137.7	0.141	0.071	5.8	28.3	2.9	2.71	Ls dk brn

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

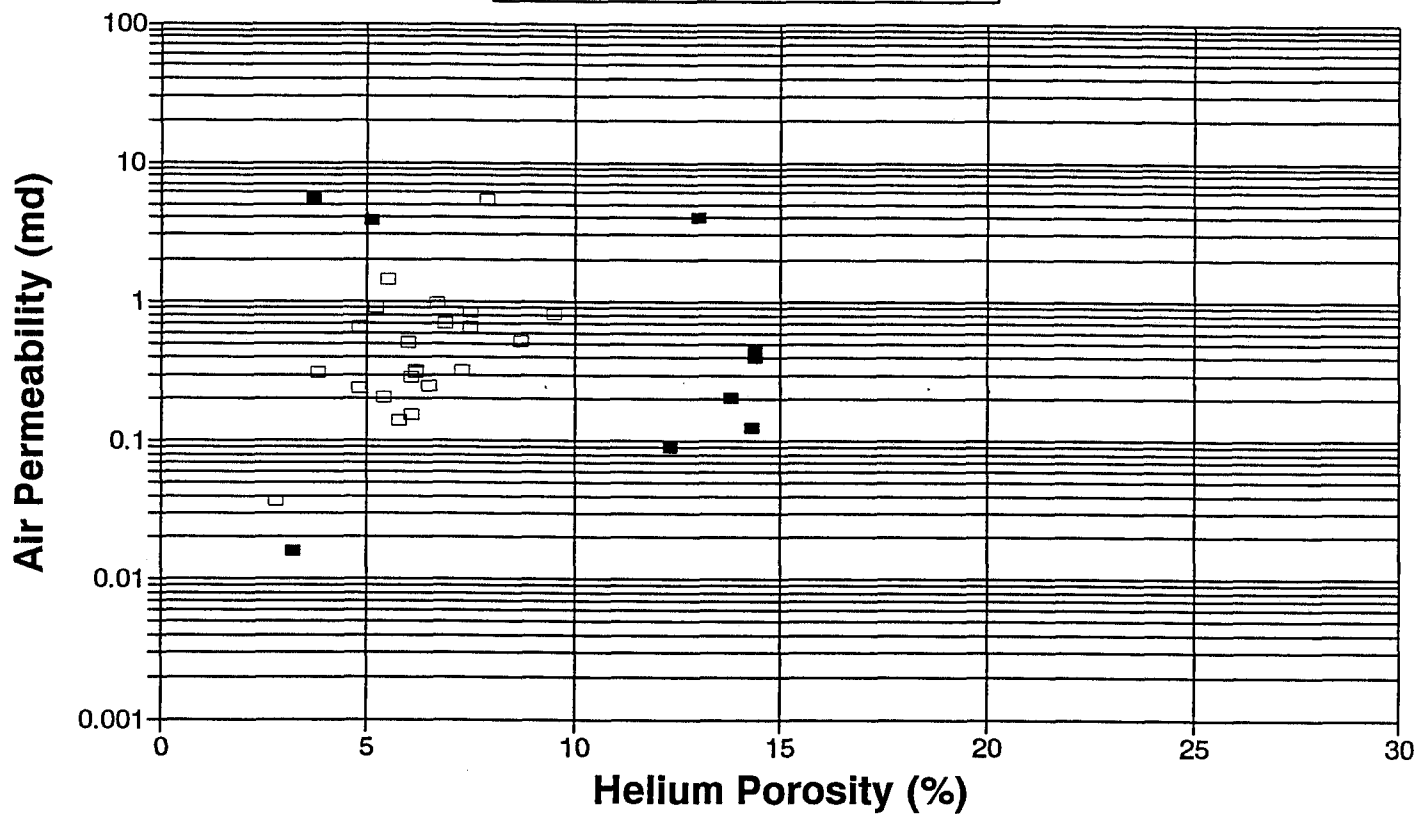
File Number: 210AMP04
Date: 10/30/92

Reference Number	Depth (ft)	K _{air} (md)	K _{link} (md)	Helium Porosity (%)	Saturations Water (%)	Oil (%)	Grain Density (g/cc)	Sample Description
23	6138.5	0.313	0.209	3.8	38.2	2.9	2.73	Ls dk brn pp vug
24	6139.3	5.52	4.37	3.7	44.2	4.7	2.78	Dol dk brn pp vug frac
25	6140.6	3.85	2.95	5.1	43.8	0.0	2.80	Dol dk brn pp vug frac
26	6141.4	0.453	0.320	14.4	52.7	0.0	2.78	Dol dk brn sli suc
C	6142.5	4.04	3.47	13.0	74.8	0.0	2.80	Dol dk gry brn sh lam
D	6143.5	0.404	0.278	14.4	75.3	0.0	2.78	Dol brn
E	6144.6	0.207	0.131	13.8	79.3	0.0	2.78	Dol brn sh lam

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Air Permeability vs. Helium Porosity

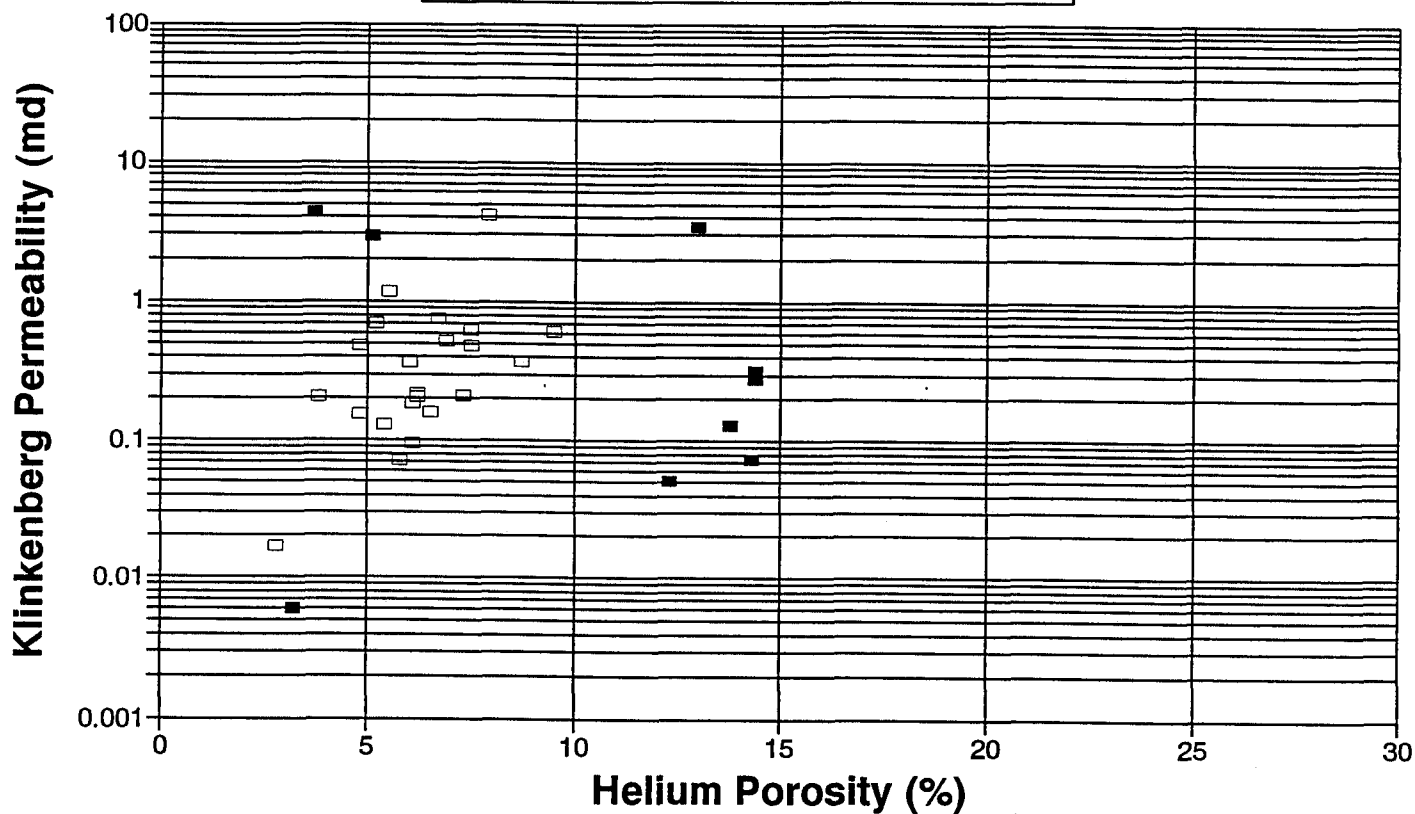


□ Limestone ■ Dolomite

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Klinkenberg Permeability vs. Helium Porosity

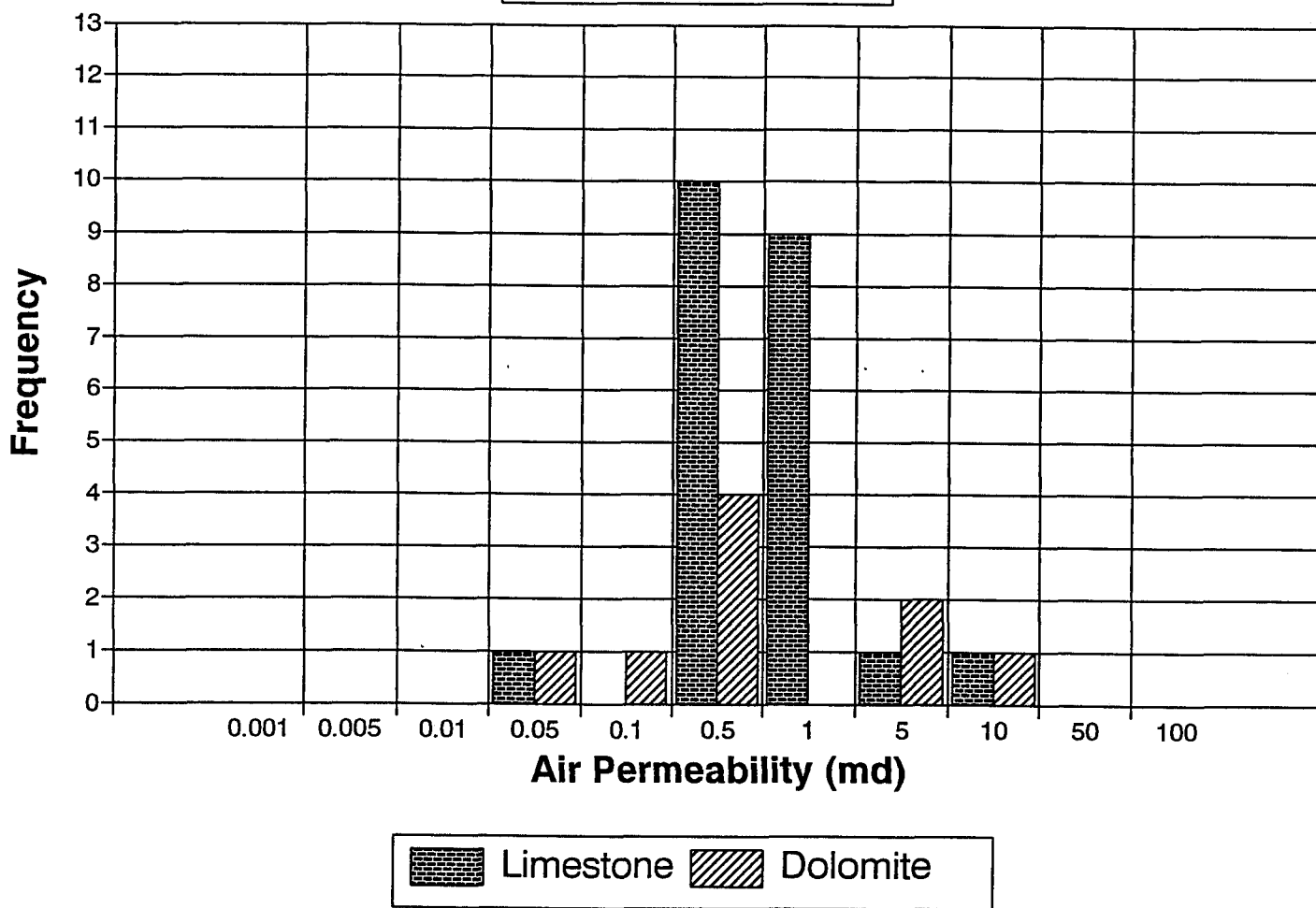


□ Limestone ■ Dolomite

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

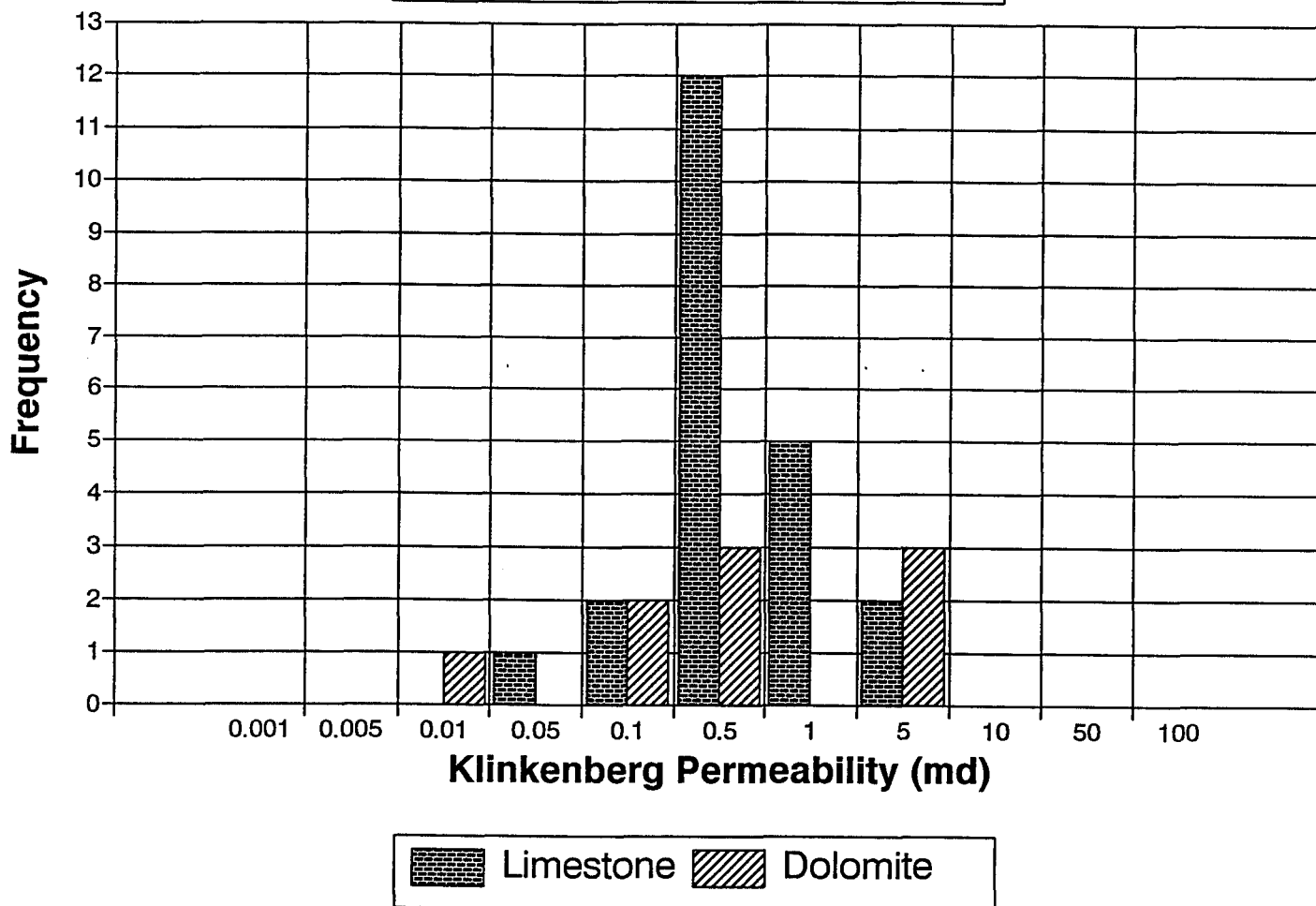
Air Permeability Histogram



Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

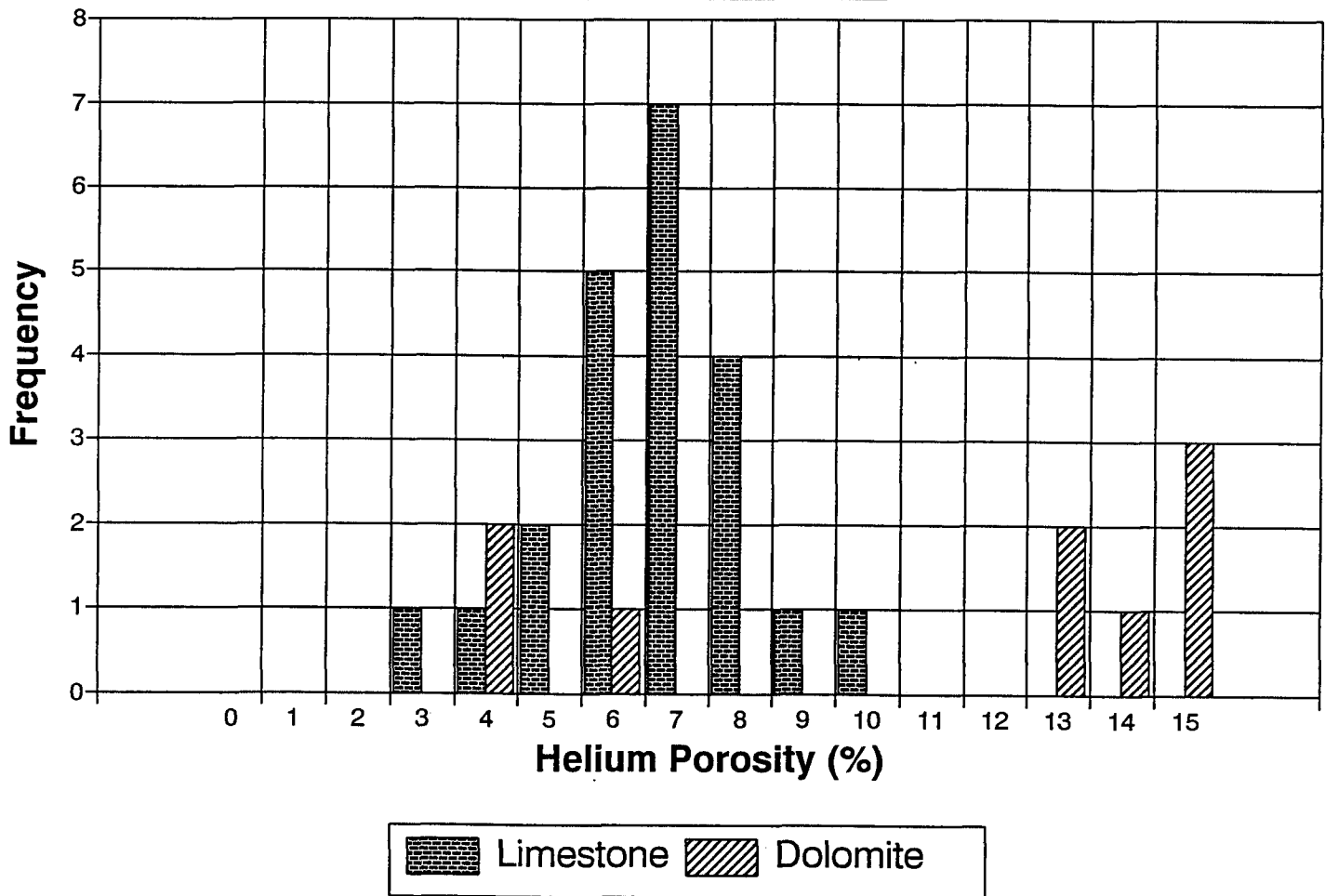
Klinkenberg Permeability Histogram



Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

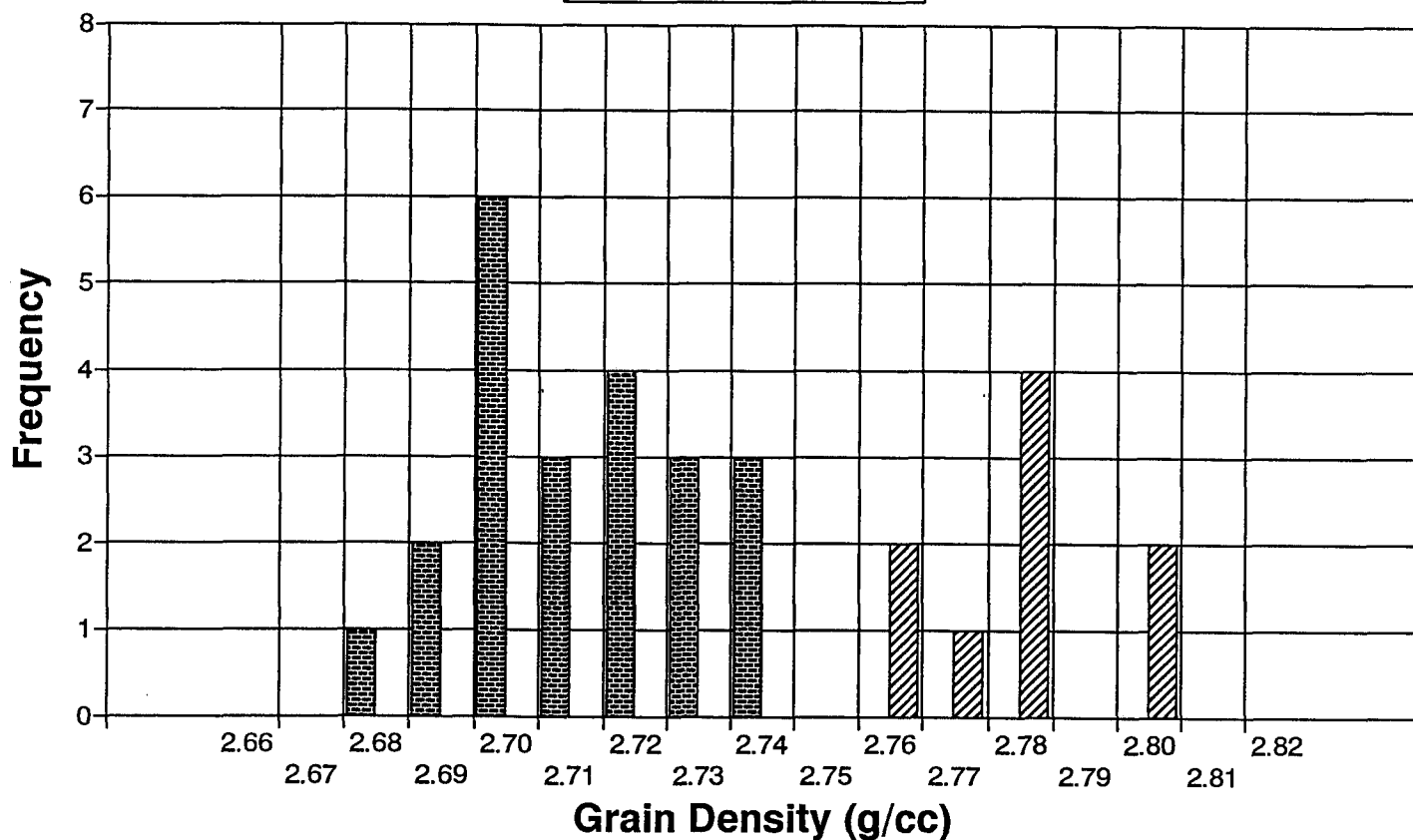
Helium Porosity Histogram





Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Grain Density Histogram



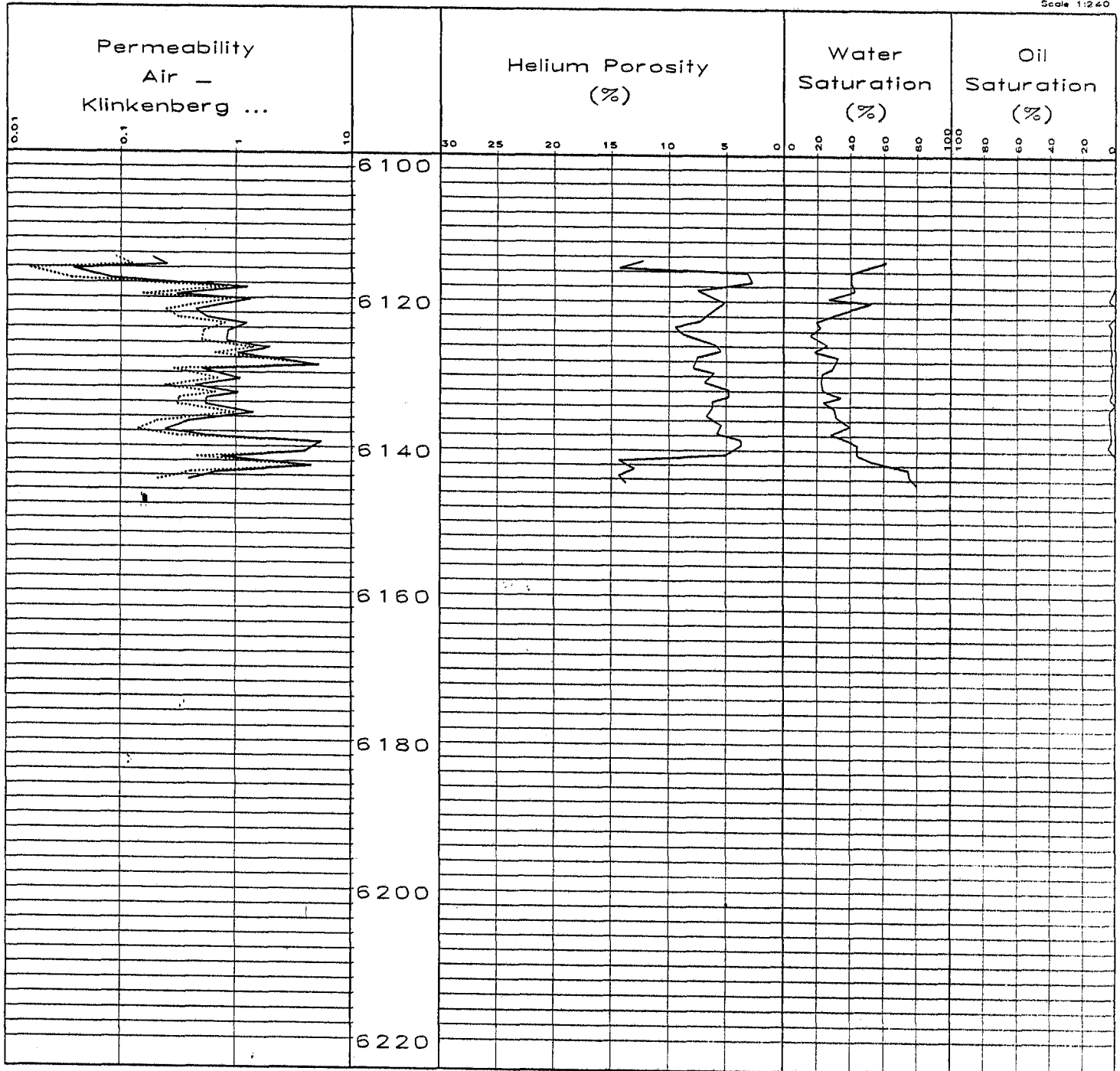
 Limestone  Dolomite

Ampolex (USA) Inc.
Cactus Park No. 1
Sec. 24 T38S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

RISC Core Analysis Log

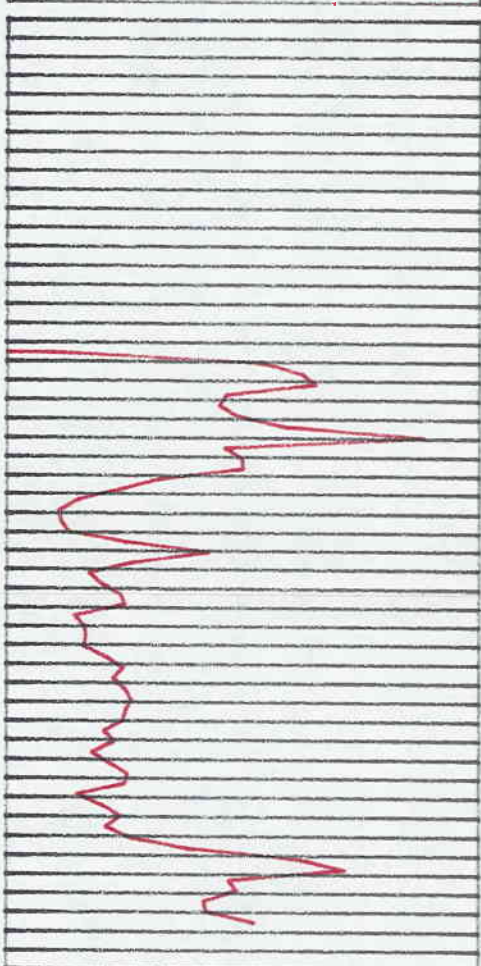
Scale 1:240



CORE GAMMA RAY LOG
Reservoir Interpretation Services Corp.

Company: Ampolex (USA), Inc.	Date: 10-27-1992
Field Name: Wildcat	Core Number: #1
Well Number: Cactus Park #1	Core Interval:
Log Type: Total Gamma	6095- 6155
Depth Scale: 1 inch=20 Feet Data File Name: 210AMP04	

Total Gamma API
0 150



CONFIDENTIAL

R*ESERVOIR*

I*NTERPRETATION*

S*ERVICES*

C*ORPORATION*

Prepared for :

**Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah**

43-037-31686
DRL SE NE
1599 FNL 1156 FEL
(Surface)

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Core Retrieval : The core was caught, laid down, marked and preserved on October 25, 1992 by a R.I.S.C. representative. The core was transported to Denver by truck on the evening/morning of October 26/27, 1992.

Core Preservation : Sealed in plastic zip-lock bags on location.

Fluid Saturations : Performed in controlled-temperature retort oven.

Sample Preparation : One-inch diameter plug samples were drilled using an automated hydraulic drill press.

Sample Cleaning : Plug samples were cleaned in a CO₂ - saturated toluene core cleaner for 4 hours at 200 degrees Fahrenheit.

Sample Drying : Plug samples were dried in a convection oven for five hours at 240 degrees Fahrenheit.

Permeability Determination : Permeability to nitrogen determined at a confining pressure of 400 psi in a steady - state permeameter manufactured by Frank Jones & Associates, Inc., Tulsa, Oklahoma.

Porosity Determination : Helium porosity was determined in a Coberly - Stevens Boyle's law porosimeter manufactured by Frank Jones & Associates, Inc., Tulsa, Oklahoma.

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Reference Number	Depth (ft)	K _{air} (md)	K _{link} (md)	Helium Porosity (%)	Saturations Water (%)	Oil (%)	Grain Density (g/cc)	Sample Description
Core No. 1 Desert Creek 6095'-6155' Recovered 59.9'/60.0'								
A	6114.6	0.091	0.051	12.3	61.6	0.0	2.77	Dol dk brn
B	6115.5	0.126	0.074	14.3	48.6	0.0	2.76	Dol dk gry brn sh lam
1	6116.1	0.016	0.006	3.2	40.5	0.0	2.76	Dol dk brn calc sh lam
2	6117.4	0.037	0.017	2.8	40.4	0.0	2.72	Ls gry brn pp vug
3	6118.5	0.830	0.628	7.5	42.4	1.5	2.70	Ls dk brn vug foss
4	6119.5	0.154	0.094	6.1	26.9	3.9	2.73	Ls dk brn pp vug foss
5	6120.1	0.899	0.686	5.2	52.2	0.0	2.74	Ls dk brn pp vug foss
6	6121.6	0.247	0.159	6.5	31.5	0.0	2.70	Ls dk brn pp vug foss
7	6122.6	0.319	0.214	7.3	19.7	4.0	2.72	Ls dk brn pp vug foss
8	6123.4	0.812	0.613	9.5	21.8	2.1	2.70	Ls dk brn pp vug foss
9	6124.4	0.526	0.378	8.7	15.9	3.2	2.71	Ls dk brn pp vug
10	6125.7	0.508	0.364	6.0	26.4	2.8	2.73	Ls dk brn pp vug
11	6126.6	1.44	1.15	5.5	18.8	2.4	2.72	Ls dk brn pp vug frac
12	6127.4	0.657	0.484	7.5	32.7	3.0	2.69	Ls dk brn pp vug
13	6128.9	5.28	4.09	7.9	29.3	1.9	2.71	Ls dk brn pp vug frac
14	6129.5	0.286	0.188	6.1	23.4	2.7	2.70	Ls dk brn pp vug
15	6130.8	0.699	0.519	6.9	22.5	2.8	2.70	Ls dk brn pp vug
16	6131.8	0.240	0.155	4.8	23.5	2.0	2.74	Ls dk brn pp vug
17	6132.7	0.663	0.490	4.8	34.4	3.3	2.74	Ls dk brn pp vug
18	6133.4	0.321	0.215	6.2	24.1	0.0	2.70	Ls dk brn pp vug
19	6134.3	0.309	0.206	6.2	30.2	3.5	2.69	Ls dk brn vug
20	6135.4	0.969	0.746	6.7	31.5	3.7	2.68	Ls dk brn vug
21	6136.6	0.206	0.130	5.4	39.7	3.2	2.72	Ls dk brn
22	6137.7	0.141	0.071	5.8	28.3	2.9	2.71	Ls dk brn

**Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah**

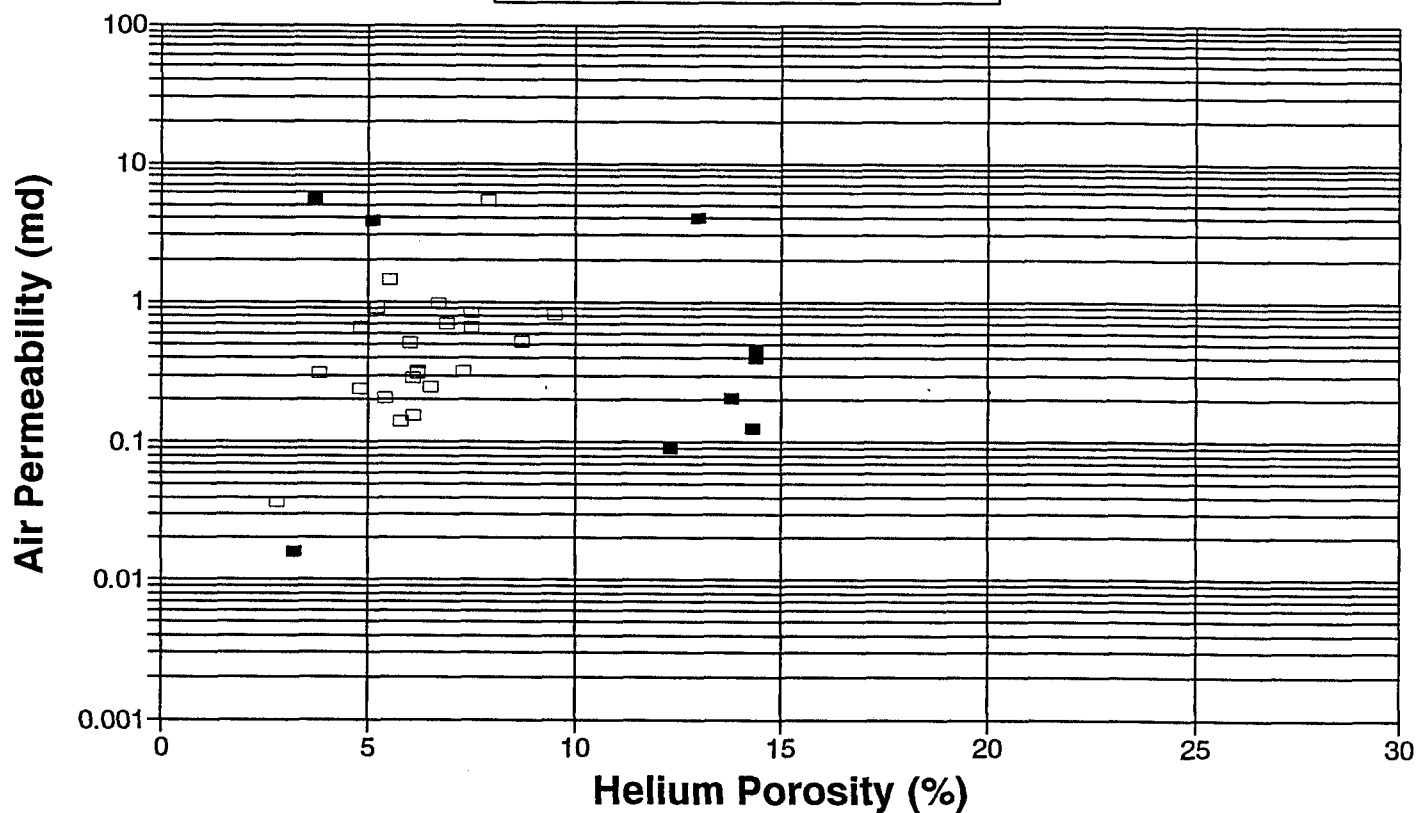
**File Number: 210AMP04
Date: 10/30/92**

Reference Number	Depth (ft)	K _{air} (md)	K _{link} (md)	Helium Porosity (%)	Saturations Water (%)	Oil (%)	Grain Density (g/cc)	Sample Description
23	6138.5	0.313	0.209	3.8	38.2	2.9	2.73	Ls dk brn pp vug
24	6139.3	5.52	4.37	3.7	44.2	4.7	2.78	Dol dk brn pp vug frac
25	6140.6	3.85	2.95	5.1	43.8	0.0	2.80	Dol dk brn pp vug frac
26	6141.4	0.453	0.320	14.4	52.7	0.0	2.78	Dol dk brn sli suc
C	6142.5	4.04	3.47	13.0	74.8	0.0	2.80	Dol dk gry brn sh lam
D	6143.5	0.404	0.278	14.4	75.3	0.0	2.78	Dol brn
E	6144.6	0.207	0.131	13.8	79.3	0.0	2.78	Dol brn sh lam

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

**Air Permeability
vs. Helium Porosity**

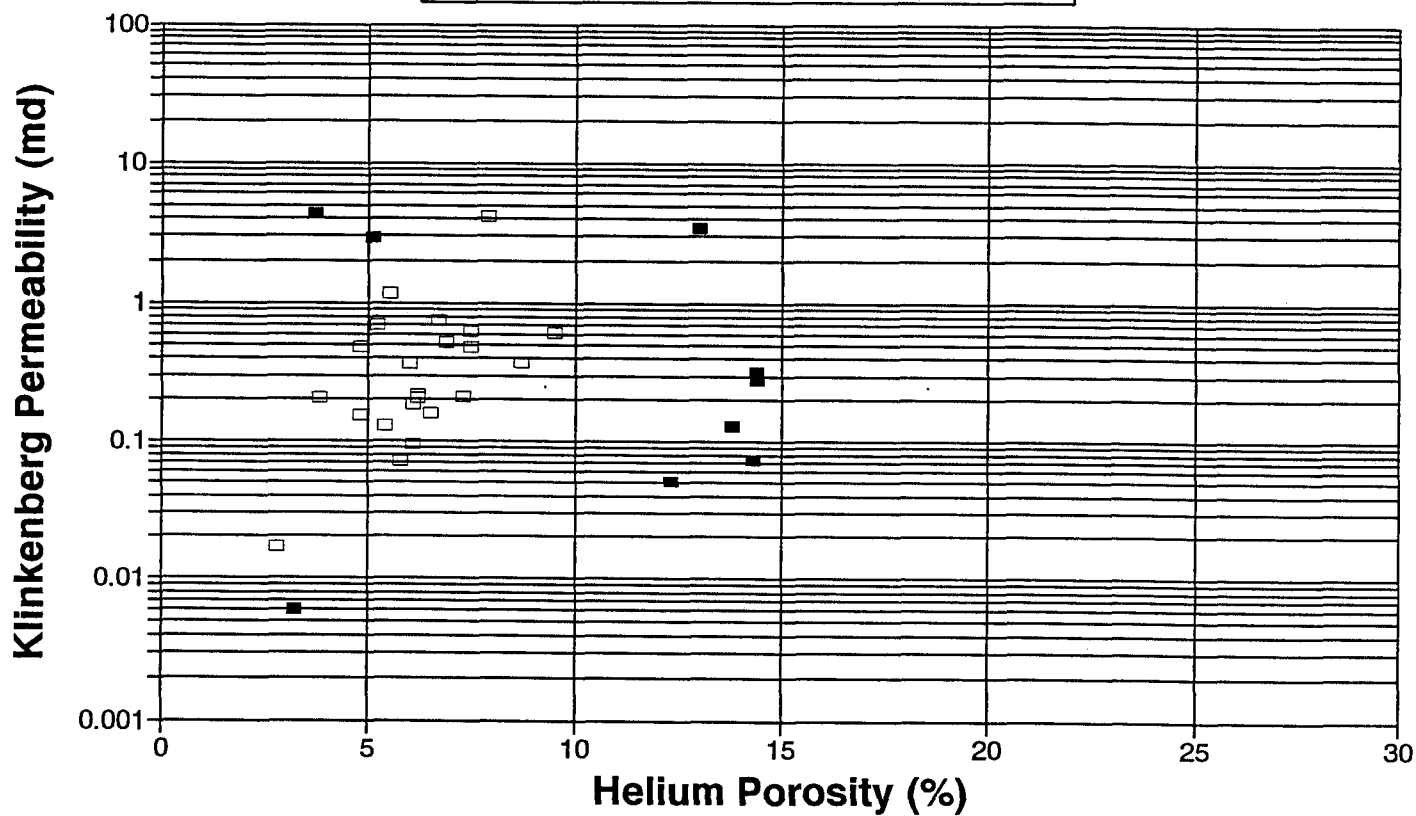


□ Limestone ■ Dolomite

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Klinkenberg Permeability vs. Helium Porosity

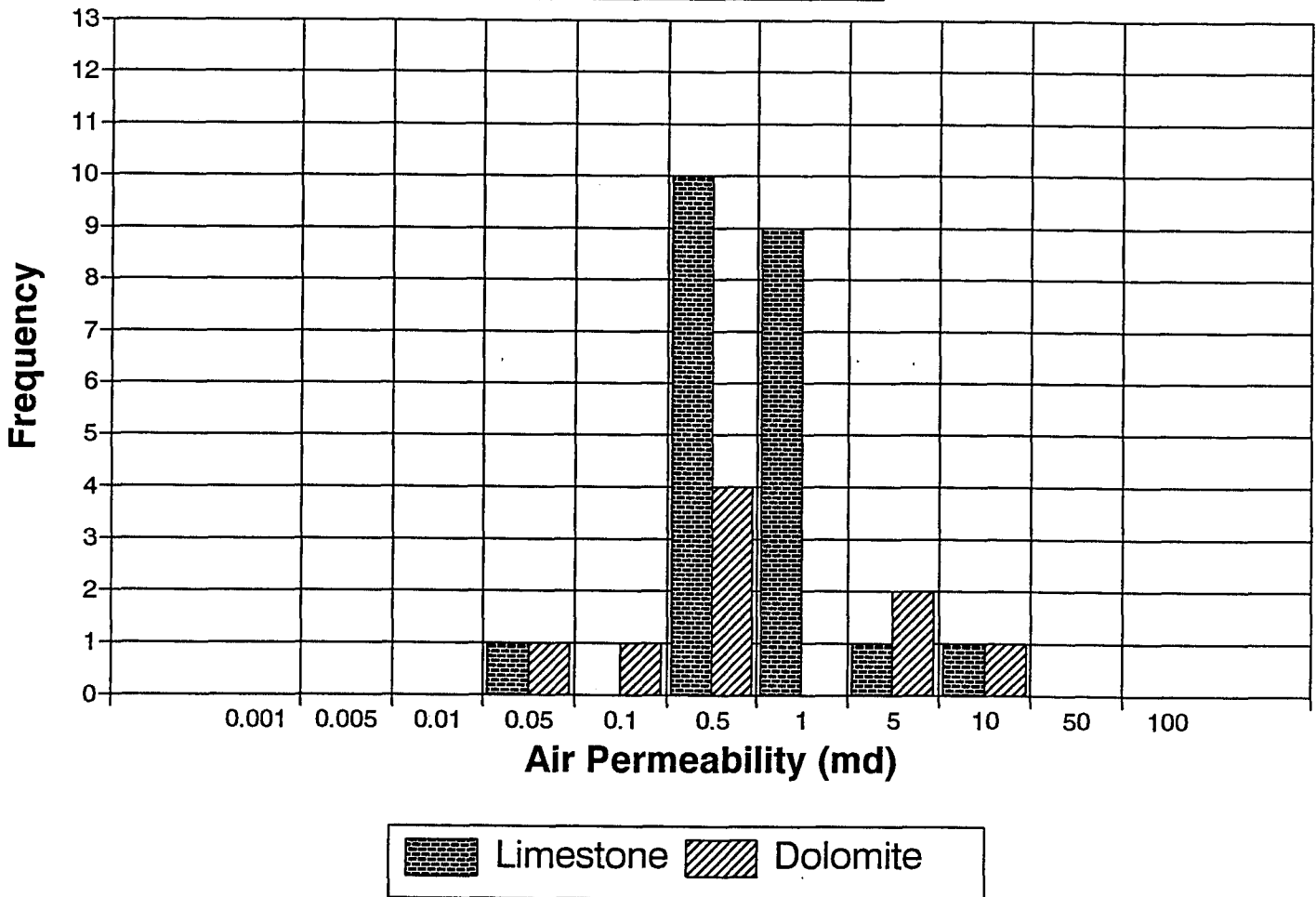


□ Limestone ■ Dolomite

Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

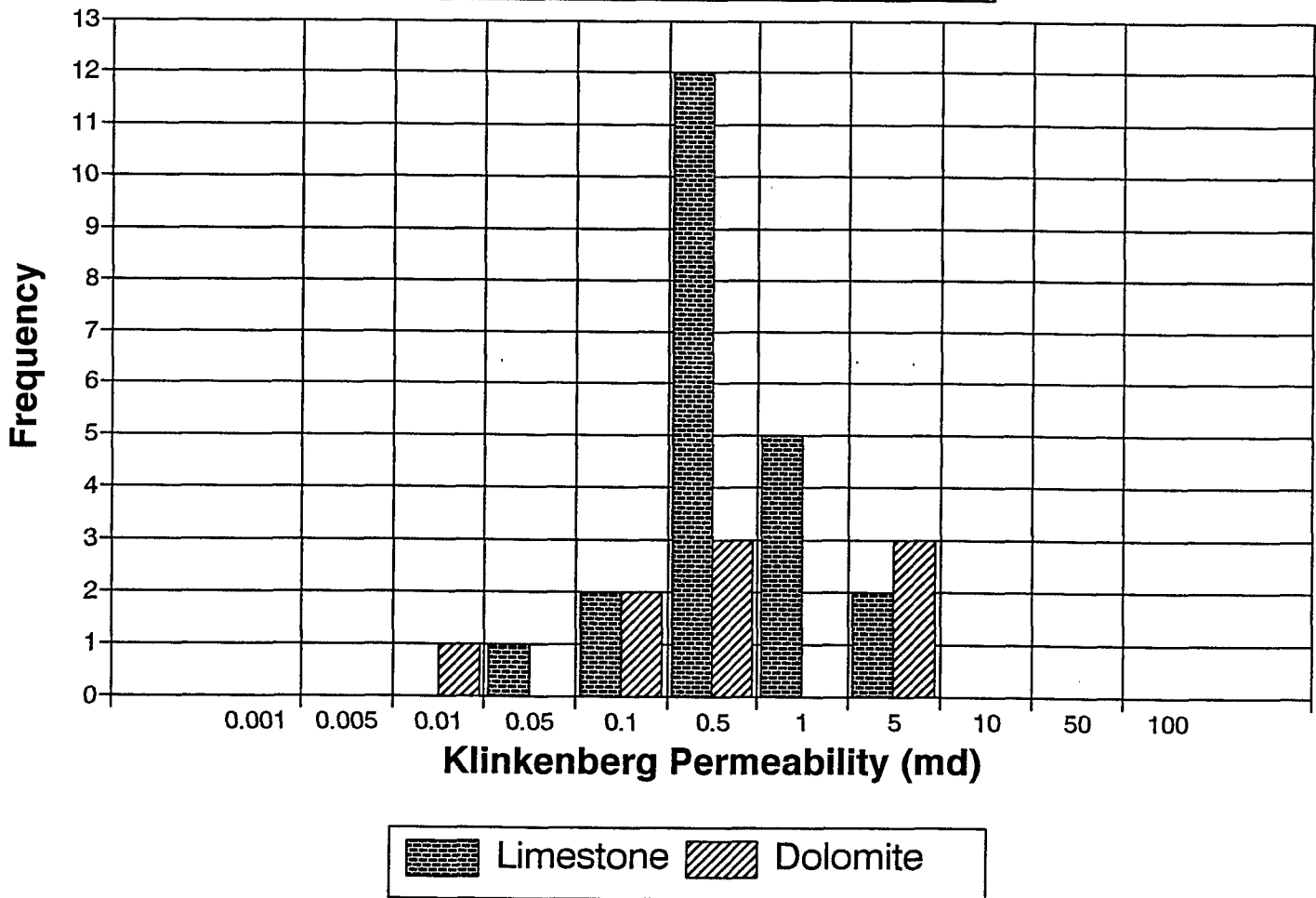
Air Permeability Histogram



Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

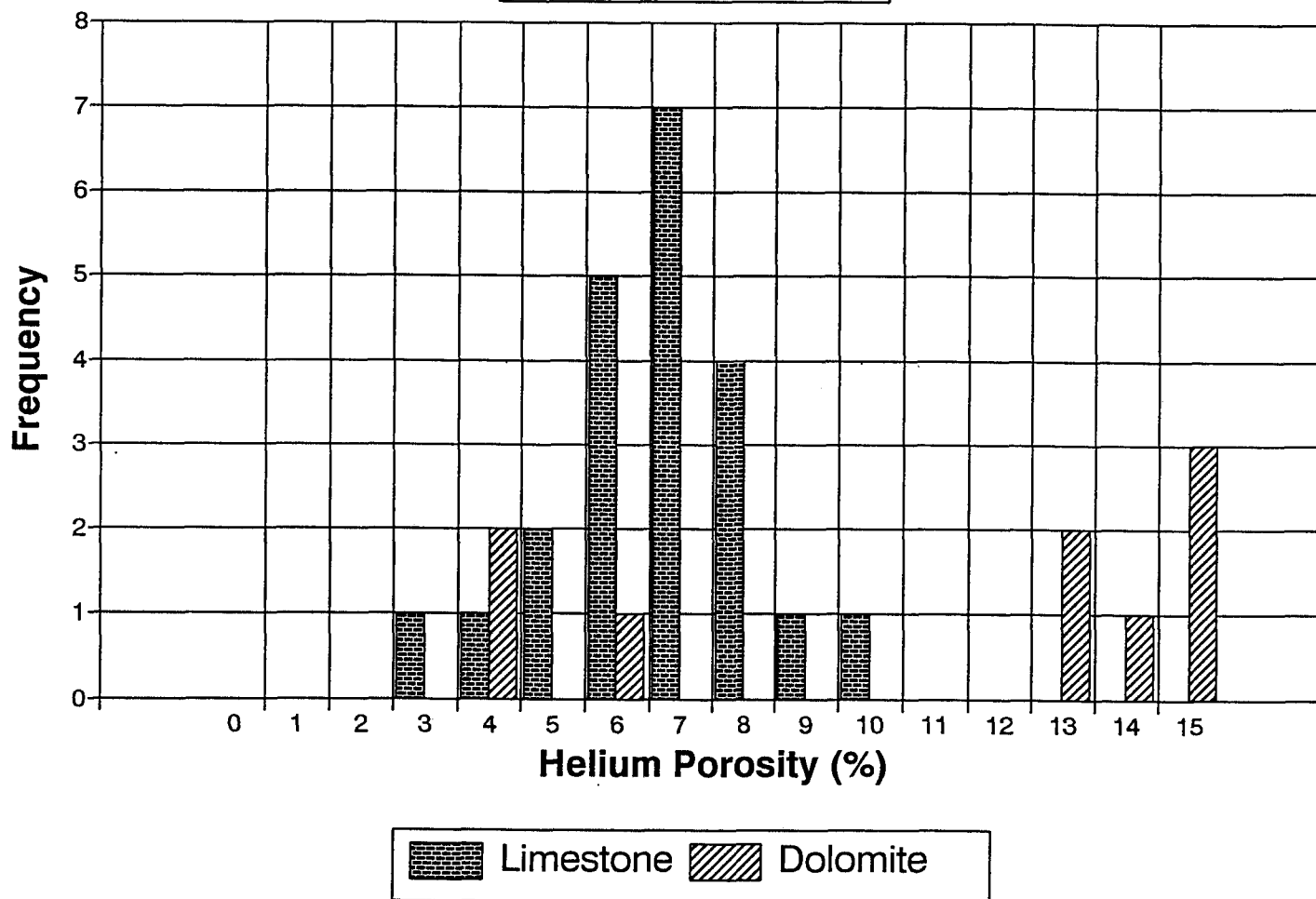
Klinkenberg Permeability Histogram



Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Helium Porosity Histogram

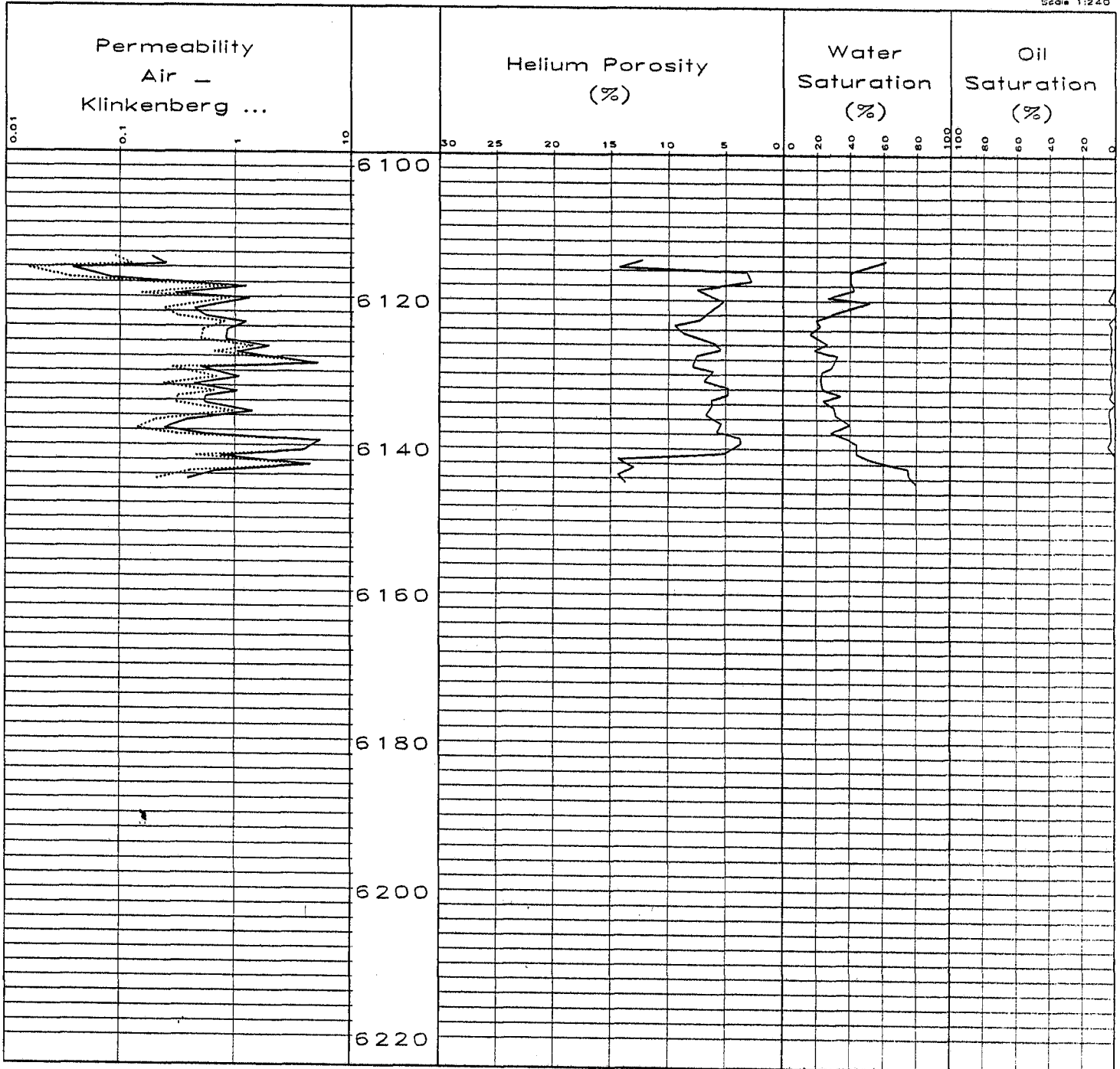


Ampolex (USA) Inc.
Cactus Park No. 1
Sec. 24 T38S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

RISC Core Analysis Log

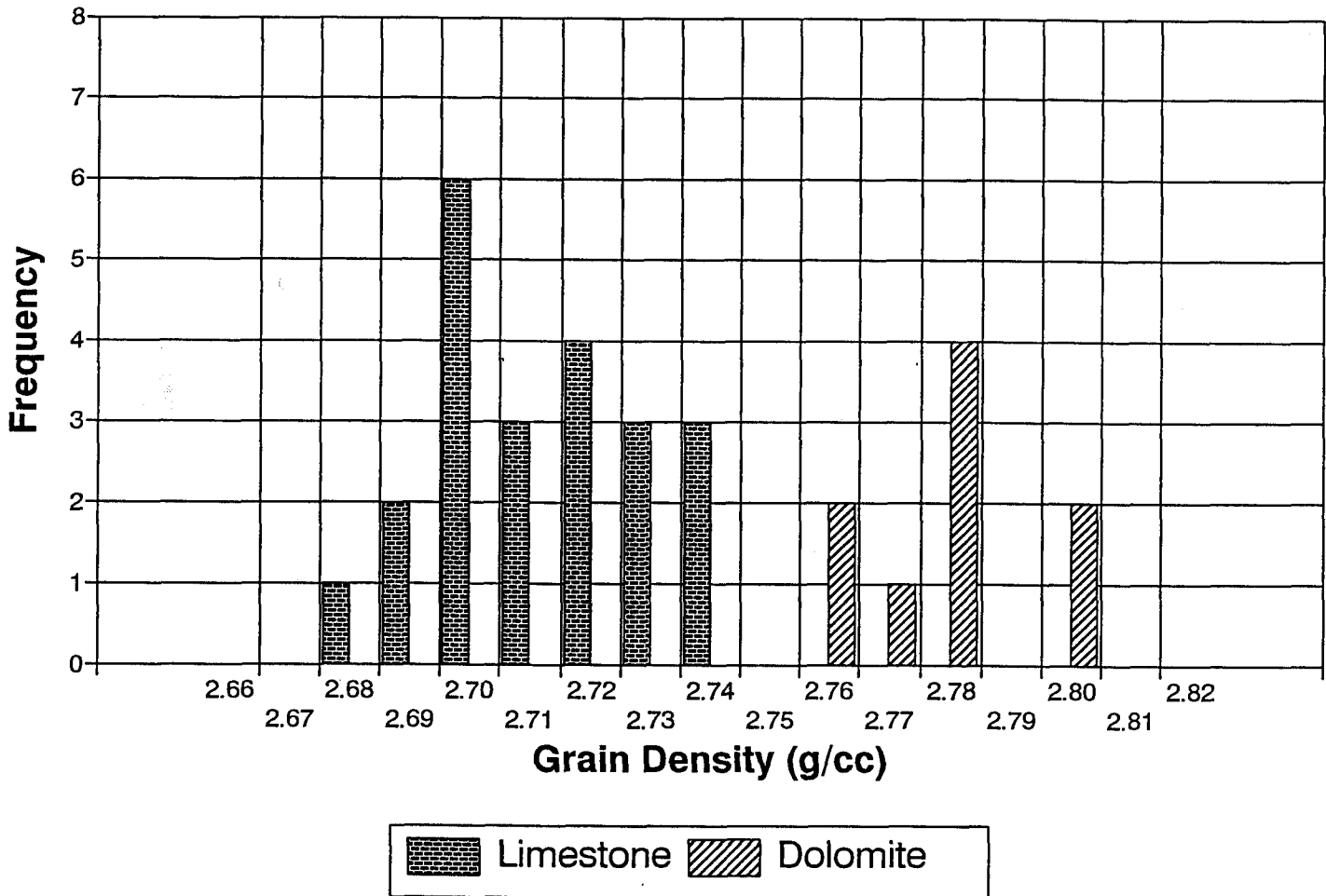
Scale 1:240



Ampolex (USA), Inc.
Cactus Park No. 1
Sec. 24 T36S R24E
San Juan County, Utah

File Number: 210AMP04
Date: 10/30/92

Grain Density Histogram



CORE GAMMA RAY LOG
Reservoir Interpretation Services Corp.

Company: Ampolex (USA), Inc.	Date: 10-27-1992
Field Name: Wildcat	Core Number: #1
Well Number: Cactus Park #1	Core Interval:
Log Type: Total Gamma	6095- 6155
Depth Scale: 1 inch=20 Feet Data File Name: 210AMP04	

Total Gamma API
0 150



6060

6080

6100

6120

6140

6160

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

NOV 02 1992

DIVISION OF

OIL, GAS & MINING

5. Lease Designation and Serial No.

U-68672

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cactus Park #1

9. API Well No.

43-037-31686

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other DRY HOLE

2. Name of Operator

Ampolex (Texas), Inc.

3. Address and Telephone No.

1225 17th Street, Suite #3000, Denver, CO 80202 (303) 297-1000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 24-T36S-R24E

1,599' FNL & 1,156' FEL (Surface)

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Desert Creek Formation was not productive in commercial quantities. Set cement plugs to abandon as follows:

50 SX 6,214' - 6,014'
85 SX 4,595' - 4,395' (tag plug after 4 hrs. WOC)
90 SX 1,981' - 1,781' (Casing Shoe)
20 SX 50' - Surface

Directional surveys, DST report, Core analysis etc., to be submitted.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-10-92

BY: J. Matthews

cc: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed Robert C. Aramendy Title Senior Petroleum Engineer Date 10/30/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other DRY HOLE

2. Name of Operator

Ampolex (Texas), Inc.

3. Address and Telephone No.

1225 17th Street, Suite #3000, Denver, Colorado 80202 (303) 297-1000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 24-T36S-R24E

1,599' FNL & 1,156' FEL (Surface)

5. Lease Designation and Serial No.

U-68672

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cactus Park #1

9. API Well No.

43-037-31686

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

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☐ Notice of Intent
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The Desert Creek Formation was not productive in commercial quantities. Set cement plugs to abandon as follows:

6,214' - 6,014' 50 sx
4,595' - 4,395' 85 sx (tag plug after 4 hrs. WOC)
1,981' - 1,781' 90 sx (Casing Shoe)
50' - Surface 20 sx

Well plugged and abandoned.

RECEIVED

NOV 23 1992

DIVISION OF
OIL GAS & MINING

cc: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed Robert C. Arceneaux Title Senior Petroleum Engineer

Date 11/20/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

"TIGHT HOLE"
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-68672

INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR

1225 17th Street, Suite #3000, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1,599' FNL & 1,156' FEL

At top prod. interval reported below

At total depth (6095')

2,011' FNL & 1,710' FEL

14. PERMIT NO.

DATE ISSUED

43-037-31686

09/04/92

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

09/30/92

10/27/92

10-29-92 PA per survey

6,050' GR

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

6,214' MD

Surface

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL/MSFL, FDC/CNL, LSS, DLL, TVD LSS, TVD FDC U 10-30-92

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1,880'	12-1/4"	1,215 SX	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION P & A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Survey Listings

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Robert C. Arceneaux

Senior Petroleum Engineer

DATE

12/14/92

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Core #1: Desert Creek	6,095'	6,155'	Cut & recovered 60'		Cutler	2,540'	
DST #1: Desert Creek	6,114'	6,155'	Recovered 270' GCM, 15' fresh water		Hermosa	4,495'	
					Ismay	5,789'	
					Desert Crk	6,048'	
					Chimney Rk	6,152'	
			"TIGHT HOLE"		Akah	6,174'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other DRY HOLE

2. Name of Operator

Ampolex (Texas), Inc.

3. Address and Telephone No.

1225 17th Street, Suite #3000, Denver, Colorado 80202 (303) 297-1000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 24-T36S-R24E

1,599' FNL & 1,156' FEL (Surface)

5. Lease Designation and Serial No.

U-68672

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cactus Park #1

9. API Well No.

43-037-31686

Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

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☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

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☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Added P & A Date

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☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The Desert Creek Formation was not productive in commercial quantities. Set cement plugs to abandon as follows:

6,214' - 6,014' 50 SX
4,595' - 4,395' 85 SX (tag plug after 4 hrs. WOC)
1,981' - 1,781' 90 SX (Casing Shoe)
50' - Surface 20 SX

Well plugged and abandoned on 10/29/92.

RECEIVED

MAR 08 1993

DIVISION OF
OIL GAS & MINING

cc: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed Robert C. Arceneaux Title Senior Petroleum Engineer

Date March 5, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

DRY HOLE

NOV 15 1993

2. Name of Operator

Ampolex (Texas), Inc.

3. Address and Telephone No.

1050 17th Street, Suite #2500, Denver, CO 80265 (303) 595-9000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SE NE Section 24-T36S-R24E
1,599' FNL & 1,156' FEL (Surface)**

5. Lease Designation and Serial No.

U-68672

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cactus Park #1

9. API Well No.

43-037-31686

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Reserve pit back-filled, wellsite re-countoured, topsoil re-placed and re-seeding per A.P.D. stipulations completed.

cc: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed Robert C. McCreary Title Senior Petroleum Engineer

Date November 11, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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